

Transport Tracker

Issue #1112, week ending Feb. 14, 2024; Coal carloads resilient; Red Sea update

Industry Overview

Hoexter's Thought of the Week Coal vols stay strong in face of large nat gas pullback

The coal market is showing surprising resiliency in spite of Nat Gas prices moving to the lowest level since April 2020. This follows a long period of declines, as Rail Coal Carloads halved between 2011 and 2016, given a shift to Nat Gas from Coal burning power plants (falling from 25% of weekly rail carloads and nearly one-third of revenues, to low double-digit volumes by 2016). Over the succeeding years, Coal has fallen to less than 10% of weekly carloads, and we believe remains in secular decline given the power transition. However, Nat Gas prices have fallen to \$1.69/mmbtu, its lowest level in nearly 4 years, and weekly Coal volumes have increased to around 85k, its highest since December, above its 10-week average of 79k. This is a surprisingly high demand level, perhaps aided by harsh winter weather around the US, with the potential to resettle. In the interim, a solid positive for rail revenues and margin contribution.

Liner rates deceleration suggest realignment since attacks

Container liner rates have begun to moderate two months after the Red Sea disruptions. Liner rates for the Shanghai-Rotterdam lane declined to \$4,000/forty-foot equivalent unit (FEU) this week, down 20% from January's peak of \$5,000/FEU, yet well above its \$1,000/FEU avg prior to the disruption. Tanker rates continue to firm for crude and product carriers as diversions accelerate. Crude and Product cargo through the Suez declined 40% and 50% last week vs 1H of Dec, respectively, from -20% mid-Jan (see our 2024 Shipping Year Ahead). Tanker rates at impacted lanes have risen from already firm levels. Middle East-Med. Suezmax crude tanker rates increased 100% vs 1H of Dec to \$60,000/day. UK-Middle East LR-2 product rates increased 180% to \$105,000/day.

The dynamic in liners is in-line with BofA Global Transport team's view (see our Red Sea Report) of a liner rate deceleration as supply chains adjust to longer sailing days (15-20 voyage days as liners re-route around the Cape of Good Hope) and demand seasonally declines after Lunar New Year (February 10). Although Suez Canal container flows remain constrained, with tonnage -80% vs 1H of Dec, decelerating spot rates and additional capacity hitting the water (see our European teammate Muneeba Kayani's Maersk report) suggest the positive tailwinds are fading quickly. However, we believe positive impacts to the tanker market could potentially persist given already tight supply-demand dynamics led by Russia-Ukraine export sanctions leading to a 9%/14% increase in 2023 crude/product tanker ton-miles.

Impacts to the economy have been limited thus far. While spot rates were volatile, contract rates have had a more moderate move with Clarksons Containership Charter Rate Index (82) down 80% from post-COVID peak Spot liner rates account for 20% of how consumer companies move goods according to BofA Consumer Analyst Lorraine Hutchison (see Consumer Red Sea Report). BofA Retail Analyst Jason Haas noted most US retailers renew annual liner contracts in May (see Retail Red Sea Report). For context, costs for moving a pair of shoes to Europe from Asia has increased to \$0.66 in Feb from \$0.19 in Nov yet remains below COVID peak of \$1.90+ according to Clarksons. We remain constructive on the tanker group given demand tailwinds.

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Equity **United States** Transport/Infrastructure

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Key Data This Week:

- Week 6 Rail Carloads: Up 0.9% Y-Y vs Week 5: +7.2% Y-Y (Up for the second week, following four downticks)
- Dry Van spot rates ex-fuel = \$1.46/mile vs \$1.47 last week, up 3% from \$1.41 on Dec 31, 2023. Spot rates with fuel were \$1.94 vs. \$1.95 last week, and up 1% from \$1.91 on Dec. 31, 2023.
- DAT Load to Truck Ratio 1.44 for the week of Feb. 11, down **30% seq.** from 2.07 last week.

Exhibit 1: Airfreight & Surface Transportation

Rails, Trucks, Airfreight, Other Transports Summary Valuation Table

Rating Rails:	Company	Price 02/14/24	Mkt Cap. (\$ bil.)	P/E '24e EPS	1-Wk Perf	Price Perf YTD %
B-2-7	Canadian National Railway (CNI)	128.86	82.6	21.7x	0%	3%
B-1-7	Canadian Pacific Kansas City (CP)	84.73	79.0	26.5x	-1%	7%
B-1-7	CSX Corp. (CSX)	37.00	72.5	18.5x	0%	7%
B-1-7	Norfolk Southern Corp. (NSC)	252.26	57.0	20.8x	1%	7%
B-1-7	Union Pacific Corp. (UNP)	250.11	152.5	22.4x	0%	2%
NR	Grupo México Trans (GMXT*MM)(3)	MXN 39.32	10.0	22.47	-1%	3%
INIX	•	IVIAIN 33.32	10.0	22.0		
Intovno	Rail Avg (ex GMXT for P/E)			22.0x	0%	5%
B-1-7	odal / Container Lessors:	217 56	22.4	26.7	20/	00/
	J.B. Hunt Transport Svcs (JBHT)	217.56	22.4	26.7x	2%	9%
NR	Hub Group (HUBG)	44.71	2.8	20.1x	2%	-3%
NR	Textainer (TGH)	49.74	2.1	NA	0%	1%
	Intermodal Average			19.0x	1%	2%
Less-th	an-Truckload (LTL) Carriers:					
C-3-7	ArcBest Corp. (ARCB)	141.72	3.4	13.1x	1%	18%
B-1-7	Old Dominion Freight Line (ODFL)	431.13	47.0	34.1x	0%	6%
B-1-9	Saia Inc. (SAIA)	562.47	14.9	34.7x	5%	28%
B-2-7	TFI International (TFII)	144.96	12.2	18.8x	3%	7%
C-1-9	XPO, Inc. (XPO)	120.28	14.0	33.0x	3%	37%
CIJ		120.20	17.0	25.2x	2%	19%
Trucklo	LTL Average ad (TL) Carriers:			23.2X	290	1990
B-1-7	Knight-Swift Transportation (KNX)	59.11	9.5	23.6x	-2%	3%
			4.3	23.0x 22.0x	0%	-5%
B-2-7	Schneider National (SNDR)	24.19				
B-3-7	Werner Enterprises (WERN)	41.29	2.6	19.7x	-2%	-3%
NR	Covenant Logistics (CVLG)	53.35	0.7	12.5x	4%	16%
NR	Heartland Express (HTLD)	12.81	1.0	251.2x	-1%	-10%
NR	Marten Transport (MRTN)	19.49	1.6	22.7x	0%	-7%
NR	P.A.M. Transport (PTSI)	18.55	0.4	16.9x	1%	-11%
NR	Universal Logistics Holdings (ULH)	31.96	0.8		6%	14%
	0 0			50.6		
	TI Averane			57.6x	1%	()%
Autono	TL Average mous trucks			52.6x	1%	0%
	mous trucks	3.29	5.0	52.6x 		
<u>Autono</u> NR	mous trucks Aurora Innovation (AUR)	3.29	5.0	52.6x 	7%	-25%
NR	mous trucks Aurora Innovation (AUR) Autonomous trucks Average	3.29	5.0	52.6x 		
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NR Airfreig B-1-7	mous trucks Aurora Innovation (AUR) Autonomous trucks Average tht Companies: FedEx Corp. (FDX)	236.83	59.2	 13.4x	7% 7% -2%	-25% -25% -6%
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NR Airfreig B-1-7 B-1-7 NR NR Freight C-2-9 NR NR B-2-8 B-17 B-17 NR	mous trucks Autora Innovation (AUR) Autonomous trucks Average tht Companies: FedEx Corp. (FDX) UPS (UPS) Deutsche Post (DHL GY) (2) Airfreight Average Forwarders / Logistics: C.H. Robinson Worldwide (CHRW) RXO (RXO) Landstar System (LSTR) Expeditors International (EXPD) Kuehne + Nagel Int'l (KHNGF) (2) DSV Panalpina A/S (DSV DC) (2) Forward Air Corp. (FWRD) Ryder System, Inc. (R) Air Transport Services Group (ATSG) Fortress Transportation (FTAI) World Kinect (WKC) Freight Forwarder Avg. Lipment: The Greenbrier Companies (GBX) Freightcar America Inc. (RAIL)	236.83 144.22 € 42.15 73.84 21.83 194.39 125.74 CHF 285.30 DKK 1,137.0 41.15 110.76 14.46 54.04 23.66	59.2 122.9 56.0 8.6 2.6 7.0 18.3 38.5 34.6 1.1 4.9 0.9 5.4 1.4	13.4x 17.2x 15.3x 26.4x 95.3x 29.3x 25.8x 29.8x 2.7x 9.6x 11.3x 24.5x 12.9x 62.4x	7% 7% -2% -2% 0% -1% 0% -3% 2% -6% -7% -5% 0% -5% 0% -2% 3% 11%	-25% -6% -8% -6% -7% -15% -6% -1% -2% -4% -35% -4% -4% -6% -6%
NR Airfreight B-1-7 B-2-7 NR Freight B-3-7 C-2-9 NR NR B-2-8 B-1-7 NR	mous trucks Autora Innovation (AUR) Autonomous trucks Average tht Companies: FedEx Corp. (FDX) UPS (UPS) Deutsche Post (DHL GY) (2) Airfreight Average Forwarders / Logistics: C.H. Robinson Worldwide (CHRW) RXO (RXO) Landstar System (LSTR) Expeditors International (EXPD) Kuehne + Nagel Int'l (KHNGF) (2) DSV Panalpina A/S (DSV DC) (2) Forward Air Corp. (FWRD) Ryder System, Inc. (R) Air Transport Services Group (ATSG) Fortress Transportation (FTAI) World Kinect (WKC) Freight Forwarder Avg. Lipment: The Greenbrier Companies (GBX) Freightar America Inc. (RAIL) GATX Corporation (GATX)	236.83 144.22 € 42.15 73.84 21.83 194.39 125.74 CHF 285.30 DKK 1,137.0 41.15 110.76 14.46 54.04 23.66	59.2 122.9 56.0 8.6 2.6 7.0 18.3 38.5 34.6 1.1 4.9 0.9 5.4 1.4	13.4x 17.2x 15.3x 26.4x 95.3x 29.3x 25.8x 29.8x 2.7x 9.6x 9.3x 20.6x 11.3x 24.5x	7% 7% -2% -2% -2% 0% -1% 0% -3% 2% -6% -7% -6% -7% -5% 0% -2% 3% 11% 11%	-25% -6% -8% -6% -7% -15% -6% -10% -14% -35% -4% 49% -6% -18% -6%
NR Arifreigi B-1-7 NR B-2-7 NR B-3-7 C-2-9 NR NR B-2-8 B-1-7 NR	mous trucks Autonomous trucks Average tht Companies: FedEx Corp. (FDX) UPS (UPS) Deutsche Post (DHL GY) (2)	236.83 144.22 € 42.15 73.84 21.83 194.39 125.74 CHF 285.30 DKK 1,137.0 41.15 110.76 14.46 54.04 23.66 48.32 3.12 125.55 51.25	59.2 122.9 56.0 8.6 2.6 7.0 18.3 38.5 34.6 1.1 4.9 0.9 5.4 1.4	13.4x 17.2x 15.3x 26.4x 95.3x 29.3x 29.8x 29.8x 2.7x 9.6x 9.3x 9.2x 20.6x 11.3x 24.5x 12.9x 62.4x 10.9x	7% 7% 7% -2% -2% -2% 0% -1% 0% -3% 2% -1% 0% -6% -6% 0% -5% 0% -2% 3% 1% 1% 1%	-25% -6% -8% -6% -7% -15% -6% 0% -13% -4% -35% -4% -18% 49% -6% 0% 0%
NR Airfreig B-1-7 B-2-7 NR B-2-7 NR B-3-7 C-2-9 NR NR B-2-8 B-1-7 NR	mous trucks Autora Innovation (AUR) Autonomous trucks Average tht Companies: FedEx Corp. (FDX) UPS (UPS) Deutsche Post (DHL GY) (2) Airfreight Average Forwarders / Logistics: C.H. Robinson Worldwide (CHRW) RXO (RXO) Landstar System (LSTR) Expeditors International (EXPD) Kuehne + Nagel Int'l (KHNGF) (2) DSV Panalpina A/S (DSV DO) (2) Forward Air Corp. (FWRD) Ryder System, Inc. (R) Air Transport Services Group (ATSG) Fortress Transportation (FTAI) World Kinect (WKC) Freight Forwarder Avg. Lipment: The Greenbrier Companies (GBX) Freightcar America Inc. (RAIL) GATX Corporation (GATX) Koppers Holdings Inc. (KOP) Trinity Industries Inc. (TRN)	236.83 144.22 € 42.15 73.84 21.83 194.39 125.74 CHF 285.30 DKK 1,137.0 41.15 110.76 14.46 54.04 23.66 48.32 3.12 125.55 51.25 26.46	59.2 122.9 56.0 8.6 2.6 7.0 18.3 38.5 34.6 1.1 4.9 0.9 5.4 1.4	13.4x 17.2x 15.3x 26.4x 95.3x 29.3x 29.3x 29.8x 2.7x 9.6x 9.3x 9.2x 20.6x 11.3x 24.5x 12.9x 62.4x 16.8x 10.9x 13.6x	7% 7% -2% -2% -2% 0% -1% 0% -3% -1% 0% -6% -7% -5% 0% 0% -5% 0% 11% 11% 11% 11% 14%	-25% -6% -8% -6% -15% -15% -14% -35% -4% -18% -16% -4% -6%
NR Airfreig B-1-7 B-2-7 NR Freight B-3-7 C-2-9 NR NR B-2-8 B-1-7 NR NR NR NR R B-3-7 R Ail Eq. C-3-7 NR NR NR	mous trucks Autora Innovation (AUR) Autonomous trucks Average tht Companies: FedEx Corp. (FDX) UPS (UPS) Deutsche Post (DHL GY) (2) Airfreight Average Forwarders / Logistics: C.H. Robinson Worldwide (CHRW) RXO (RXO) Landstar System (LSTR) Expeditors International (EXPD) Kuehne + Nagel Int'l (KHNGF) (2) DSV Panalpina AVS (DSV DC) (2) Forward Air Corp. (FWRD) Ryder System, Inc. (R) Air Transport Services Group (ATSG) Fortress Transportation (FTAI) World Kinect (WKC) Freight Forwarder Avg. Lipment: The Greenbrier Companies (GBX) Freightcar America Inc. (RAIL) GATX Corporation (GATX) Koppers Holdings Inc. (KOP) Trinity Industries Inc. (TRN) Wabtec Corp. (WAB)	236.83 144.22 € 42.15 73.84 21.83 194.39 125.74 CHF 285.30 DKK 1,137.0 41.15 110.76 14.46 54.04 23.66 48.32 3.12 125.55 51.25	59.2 122.9 56.0 8.6 2.6 7.0 18.3 38.5 34.6 1.1 4.9 0.9 5.4 1.4	13.4x 17.2x 15.3x 26.4x 95.3x 29.3x 29.3x 29.8x 29.8x 2.7x 9.6x 9.3x 9.2x 20.6x 11.3x 24.5x 12.9x 62.4x 16.8x 10.9x 13.6x 19.9x	7% 7% -2% -2% -2% 0% -1% 0% -3% 2% -1% 0% -6% -7% 0% -5% 0% 0% -2% 3% 11% 11% 11% 11% 11% 11% 11% 11% 11%	-25% -6% -8% -6% -7% -15% -6% -14% -2% -4% -18% -18% -6% -6% -16% -6% -6% -6% -6% -6% -6% -6% -6% -6% -
NR Airfreig B-1-7 B-2-7 NR Freight B-3-7 C-2-9 NR NR B-2-8 B-1-7 NR	mous trucks Autora Innovation (AUR) Autonomous trucks Average tht Companies: FedEx Corp. (FDX) UPS (UPS) Deutsche Post (DHL GY) (2) Airfreight Average Forwarders / Logistics: C.H. Robinson Worldwide (CHRW) RXO (RXO) Landstar System (LSTR) Expeditors International (EXPD) Kuehne + Nagel Int'l (KHNGF) (2) DSV Panalpina A/S (DSV DC) (2) Forward Air Corp. (FWRD) Ryder System, Inc. (R) Air Transport Services Group (ATSG) Fortress Transportation (FTAI) World Kinect (WKC) Freight Forwarder Avg. Lipment: The Greenbrier Companies (GBX) Freightcar America Inc. (RAIL) GATX Corporation (GATX) Koppers Holdings Inc. (KOP) Trinity Industries Inc. (TRN) Wabtec Corp. (WAB) Rail Equipment Avg.(ex-RAIL)	236.83 144.22 € 42.15 73.84 21.83 194.39 125.74 CHF 285.30 DKK 1,137.0 41.15 110.76 14.46 54.04 23.66 48.32 3.12 125.55 51.25 26.46	59.2 122.9 56.0 8.6 2.6 7.0 18.3 38.5 34.6 1.1 4.9 0.9 5.4 1.4	13.4x 17.2x 15.3x 26.4x 95.3x 29.3x 29.3x 29.8x 2.7x 9.6x 9.3x 9.2x 20.6x 11.3x 24.5x 12.9x 62.4x 16.8x 10.9x 13.6x	7% 7% -2% -2% -2% 0% -1% 0% -3% -1% 0% -6% -7% -5% 0% 0% -5% 0% 11% 11% 11% 11% 14%	-25% -6% -8% -6% -15% -15% -14% -35% -4% -18% -16% -4% -6%
NR Airfreig B-1-7 B-2-7 NR B-2-7 NR B-3-7 C-2-9 NR NR B-2-8 B-1-7 NR	mous trucks Autora Innovation (AUR) Autonomous trucks Average tht Companies: FedEx Corp. (FDX) UPS (UPS) Deutsche Post (DHL GY) (2) Airfreight Average Forwarders / Logistics: C.H. Robinson Worldwide (CHRW) RXO (RXO) Landstar System (LSTR) Expeditors International (EXPD) Kuehne + Nagel Int'l (KHNGF) (2) DSV Panalpina AVS (DSV DC) (2) Forward Air Corp. (FWRD) Ryder System, Inc. (R) Air Transport Services Group (ATSG) Fortress Transportation (FTAI) World Kinect (WKC) Freight Forwarder Avg. Lipment: The Greenbrier Companies (GBX) Freightcar America Inc. (RAIL) GATX Corporation (GATX) Koppers Holdings Inc. (KOP) Trinity Industries Inc. (TRN) Wabtec Corp. (WAB)	236.83 144.22 € 42.15 73.84 21.83 194.39 125.74 CHF 285.30 DKK 1,137.0 41.15 110.76 14.46 54.04 23.66 48.32 3.12 125.55 51.25 26.46	59.2 122.9 56.0 8.6 2.6 7.0 18.3 38.5 34.6 1.1 4.9 0.9 5.4 1.4	13.4x 17.2x 15.3x 26.4x 95.3x 29.3x 29.3x 29.8x 29.8x 2.7x 9.6x 9.3x 9.2x 20.6x 11.3x 24.5x 12.9x 62.4x 16.8x 10.9x 13.6x 19.9x	7% 7% -2% -2% -2% 0% -1% 0% -3% 2% -1% 0% -6% -7% 0% -5% 0% 0% -2% 3% 11% 11% 11% 11% 11% 11% 11% 11% 11%	-25% -6% -8% -6% -7% -15% -6% -14% -2% -4% -18% -18% -6% -6% -16% -6% -6% -6% -6% -6% -6% -6% -6% -6% -

Source: BofA Global Research estimates, Bloomberg, and First Call Estimates (for stocks not covered by BofA Global Research).

Covered by: (2) Muneeba Kayani, (3) Carlos Peyrelongue - NR: Not Rated.

BofA GLOBAL RESEARCH

Exhibit 2: Marine Matters

Crude, Product, Container, Dry Bulk, LNG, Jones Act Summary Valuation Table

			Mkt			Price
<u>Marine</u>	<u>Matters</u>	Price	Сар.	P/E '24e EPS	1-Wk	Perf
Rating	Company	02/14/24	(\$ bil.)	or Yield	Perf	YTD
	<u>Companies</u>			<u>Yield</u>		
C-1-7	Teekay Tankers, Ltd. (TNK)	57.68	2.0	0.0%	0%	159
NR	Teekay Shipping Corp. (TK)	8.20	0.7		-1%	159
NR	Euronav (EURN)	€ 16.58	3.9	8.9%	0%	4%
NR	DHT Maritime (DHT)	11.30	1.8	14.0%	3%	159
NR	Frontline Ltd. (FRO)	23.21	5.2	12.4%	4%	169
NR	Tsakos Energy Navigation (TNP)	24.45	0.7		1%	109
NR	Nordic American Tanker (NAT)	4.16	0.9	10.9%	0%	-1%
NR	Ship Finance Limited (SFL)	11.89	1.5	8.7%	0%	5%
NR	KNOT Offshore Partners (KNOP)	5.60	0.2		-3%	-39
	Tanker Average			9.1%	1%	9%
Produc	t Tankers					
C-2-7	Scorpio Tankers (STNG)	66.26	3.5	2.7%	-1%	9%
NR	Capital Products (CPLP)	17.96	1.0	3.3%	0%	269
NR	Ardmore Shipping (ASC)	16.26	0.7	5.8%	1%	159
	Product Tankers Average			3.9%	0%	179
LNG / L	_			Yield		
NR	Golar LNG (GLNG)	21.19	2.2		-2%	-89
NR	Dynagas LNG Partners (DLNG)	2.95	0.1	13.6%	-1%	5%
NR	StealthGas (GASS)	6.90	0.2		-6%	7%
1411	LNG / LPG Average	0.50	0.2	13.6%	-3%	1%
Contair	ner Ship Lessors					
NR	Costamare (CMRE)	11.13	1.3	4.1%	2%	7%
NR	Danaos (DAC)	72.57	1.4	4.4%	-3%	-29
NR	Global Ship Lease (GSL)	20.40	0.7	7.4%	-2%	3%
	Container Average			5.3%	-1%	3%
Dry Bul	<u>lk</u>			EBITDA		
NR	Navios Maritime L.P. (NMM)	30.88	1.0	3.6x	9%	109
NR	Safe Bulkers, Inc. (SB)	4.15	0.5	6.3x	0%	6%
NR	Diana Shipping (DSX)	2.85	0.3	6.1x	-2%	-49
NR	Eagle Bulk Shipping (EGLE)	55.32	0.6	10.5x	-4%	0%
NR	Golden Ocean Group (GOGL)	10.95	2.2	11.3x	0%	129
C-1-7	Pacific Basin Shipping (PCFBF)(1)	HKD 2.13	1.4	5.2x	-4%	-179
	U.S. Dry Bulk Average			7.2x	1%	2%
	ct Carrier/Other			<u>P/E</u>		
B-1-9	Kirby Corp. (KEX)	84.74	5.0	17.3x	1%	8%
NR	Matson Inc. (MATX)	120.90	4.2	14.4x	4%	109
NR	Tidewater Inc. (TDW)	68.22	3.6	12.5x	4%	-59
	Jones Act Carrier/Other Average			14.7x	3%	4%
	ner Shipping / Diversified Companies	DI/// 10.015	27.1		1.50/	11/
B-2-8	AP Moeller-Maersk (AMKBF) (2)	DKK 10,815	27.1		-16%	-110
B-1-8	COSCO Shipping Holding Co (CICOF)(1)	HK\$7.94	7.3		-4%	1%
C-3-8	K-Line (KAKKF)(1)	¥6,893.00	10.9	12.3x	-1%	149
B-3-8	Mitsui O.S.K. Lines (MSLOF)(1)	¥5,237.00	12.6	7.5x	1%	169
B-3-8	NYK Line (NYUKF)(1)	¥4,811.00	16.3	10.0x	-4%	109
NR	Wan Hai Lines (WHILF)	TWD 47.75	4.3		0%	-139
NR	Yang Ming Marine (YMGXF)	TWD 47.30	5.3		0%	-89
C-2-8	Evergreen Marine Corp (EVGQF)(2)	TWD 152.00	10.3	1.3x	0%	6%
NR	Hapag Llyod ADR (HLAG GY))(2)	€ 131.50	24.8	34.7x	-7%	-39
C-3-9	ZIM Integrated Shipping Svcs (ZIM)	12.05	1.4		-9%	229
	Container & Diversified Average			9.9x	-4%	3%
	Shipping Mkt Cap / Shipping Avg		128.1		0%	5%
	S&P 500	4.995.46		23.1x	0%	5%

Source: BofA Global Research estimates, Bloomberg, (for stocks not covered by BofA Global Research)
Covered by: (1) Nathan Gee , (2) Muneeba Kayani
NR: Not Rated.

BofA GLOBAL RESEARCH

Airfreight and Surface Transportation Weekly Movers

 Best:
 RAIL (+11%)
 AUR (+7%)
 ULH (+6%)

 Worst:
 FWRD (-7%)
 DSV DC (-6%)
 R (-5%)

Marine Transportation Weekly Movers

 Best:
 NMM (+9%)
 MATX (+4%)
 TDW (+4%)

 Worst:
 AMKBF (-16%)
 GASS (-6%)
 PCFBF (-4%)



Upcoming Calendar of Events

Feb 27	Wabtec's Facility Tour/Field Trip; Fort Worth, Texas
Feb 28-29	Southeast Association of Rail Shippers Spring Meeting, Atlanta
Mar 3-6	Rail Equipment Finance (REF) Conference, La Quinta
Mar 3-6	TPM'24 – Transpacific Maritime Conference, Long Beach
Mar 13	World Kinect Corp (WKC) Investor Day, NYC
Mar 14	Aurora Analyst & Investor Day, Pittsburgh
Mar 19-21	BofA Global Industrials Conference (featuring CNI and WAB), London
1420	LIDC Investor 9 Applicat Day Laviavilla

Mar 26 UPS Investor & Analyst Day, Louisville

Apr 30-May 2 National Assoc of Rail Shippers (NARS) Ann Mtg, Chicago

May 14-16 BofA's 31st Annual Transport, Airline, & Industrials Conf, NYC

BofA Global Research Reports

Title: Subtitle	Primary Author Date Published			
STNG: Product rates show momentum after Red Sea impact; PO \$72	Ken Hoexter	14 February 2024		
Trucking: LTL 4Q23 Wrap-Up: Yields accel post-Yellow wave	Ken Hoexter	12 February 2024		
TFII: LTL shows solid ops progress, but yields still negative; PO \$154	Ken Hoexter	09 February 2024		
Trucking: Survey Says: Demand pulls back into CNY yet still 50+	Ken Hoexter	09 February 2024		
RXO: Lower to Neutral; 1H downcycle pressure pushes tgts. out; PO \$22	Ken Hoexter	08 February 2024		
Transport Tracker: Issue #1111, week ending Feb. 7, 2024	Ken Hoexter	07 February 2024		

Company News

RXO, Inc. posted 4Q23 adj EPS of \$0.06, down 79% year-year, above our/Street's \$0.04 target. Revenues were \$978 million, down 7% year-year, yet \$14 million above our target. Gross Profit was \$176 million, down 22% year-year, in line with our target. Adj operating income was \$21 million, down 56% year-year, and \$3 million above our target, with an 18.0% gross margin, below our 18.2% target, and 160 bps lower year-year. Truck brokerage load volumes increased 15% year-year, better than our +8% target and its gross margin was 14.8%, a 310 bps deterioration year-year, and 50 bps worse than our target. RXO noted that while 4Q started strong, the market weakened throughout the quarter, leading to sequential declines in gross profit per load per month. In 2024, it targets \$40-\$50 million CapEx (we target \$45 million), net interest expense of \$31-\$33 million (we target \$32 million)., and 30% tax rate (we target 30%). Maintain Neutral.

TFI International (TFII) posted 4Q23 adj EPS of \$1.71, flat year-year, slightly above our \$1.70/Street's \$1.67 estimates. Revenues were \$1.7 billion, up 4% year-year, \$52 million below our target. Tons/day were up 5.6% y-y, below our +12% target, while yields (revenue/cwt) excluding fuel were down 4% y-y, in line with our target. Adj operating income was \$205 million, up 1% year-year, \$13 million above our target, resulting in an adj operating ratio of 87.7%, a 30 bps deterioration year-year and 110 bps better than our target. In 2024, TFII expects Logistics to outperform the market, Truckload to benefit from its Daseke acquisition, and U.S. LTL turnaround to show continued service gains. Maintain Neutral.

Union Pacific appointed Andrew Brady as VP-External Relations, replacing Printz Bolin, who is retiring at the end of February.

Wabtec Corp. (WAB) reported adj 4Q23 EPS if \$1.54, up 19% year-year, below our \$1.58 target and below the Street's \$1.57 estimate. Revenues were \$2.53 billion, up 10% year-year, \$73 million above our target. Adj operating income was \$431 million, up 22% year-year, \$3 million above our target, resulting in an adj operating margin of 17.1%, a 180 bps improvement year-year, but 40 bps worse than our target. For 2024, WAB expects revenues of \$10.05-\$10.35 billion and adj EPS of \$6.50-\$6.90. It expects 38,000 in 2024 railcar deliveries, down from 45,000 in 2023 and below the 10-year average of 52,000. Separately, WAB won an order to supply sustainable heating, ventilation, and air-conditioning (HVAC) units and efficient door systems for Norway-based Norske Tog's new regional trains. Additionally, Wabtec and **CSX** signed a deal for over 200 locomotive modernizations with a suite of digital solutions, innovations, and



services. The contract is in addition to the 260 modernizations that CSX previously ordered, the majority of which have already been delivered. Maintain Buy.

ArcBest is offering Vaux Smart Autonomy, an autonomous material handling technology which combines autonomous mobile robot (AMR) forklifts and reach trucks, intelligent software and remote teleoperation capabilities to handle materials movement within warehouses, distribution centers and manufacturing facilities.

Koppers Holdings increased the size of its Board of Directors from nine to ten members and elected Nishan Vartanian as a director of the company, effective February 13, 2024.

Autonomous Trucking

Plus unveiled the Open Platform for Autonomy (OPA), an open and modular software platform powered by the latest Al models supporting all levels of autonomy and adapting to specific customer needs.

Shipping

Scorpio Tankers (STNG) posted 4Q23 adj EPS of \$2.75, down 35% y-y, below our \$2.79 estimate, yet above Street's \$2.59. The slight miss was led by lower than expected rates as 4Q23 fleet time-charter equivalent (TCE) was \$32,950/day, below our \$33,640/day target with a milder than anticipated winter pressuring product tanker tonmile demand. Net Vessel Revenues were \$334 million, down 27% y-y and \$3 million below our target. Operating Income was \$176 mil, down 41% y-y and \$1 mil below our target. The company booked 68%, 59%, and 55% of its spot LR-2, MR, and Handymax Revenue Days at \$57,000, \$34,500, and \$32,500 per day, respectively, ahead of our \$51,000/\$33,700/\$33,600 targets. Sailing days for key Asia-Europe lanes have increased from 20-30 days on average to 40-50 days after rerouting from Suez, resulting in a rapid increase in charterer ton-mile demand in an already constrained vessel supply backdrop. The company reduced its outstanding debt by \$178 million from 3Q, with net debt now \$1.1 billion. The reduced leverage lowered its cash breakeven TCE to \$16,000/day from \$17,000/day. Product tanker Orderbook-to-Fleet ratio increased to 13% from 12% in 4023 and 10% in 3023 as newbuild orders continue to build. Maintain Neutral.

Navios Maritime Holdings Inc. announced that the company's American Depositary Shares each representing 1/100th of a share of the company's 8.75% Series G Cumulative Redeemable Perpetual Preferred Stock, \$0.0001 par value per share and American Depositary Shares each representing 1/100th of a share of the company's 8.625% Series H Cumulative Redeemable Perpetual Preferred Stock, \$0.0001 par value per share and the preferred stock underlying the ADSs have been delisted from the New York Stock Exchange.

Danaos Corp reported 4Q23 EPS of \$6.99, flat year-year. Revenues were \$249 million, down 1% year-year. Operating income was \$132 million, down 31% y-y, for an operating margin of 52.9%, an 80 bps deterioration year-year.

SFL Corp. reported 4Q23 EPS of 0.25, down 34% year-year. Revenues were 0.25 million, up 6% y-y. Operating income was 0.25 million, down 1% y-y, for an operating margin of 0.25 margin

Dividends Declared

	Amount	Record Date	Payable Date
CHRW	\$0.61	03/01/24	04/01/24
DAC	\$0.80	02/28/24	03/14/24
KOP	\$0.07	03/08/24	03/25/24
R	\$0.71	02/20/24	03/15/24
SFL	\$0.25	03/15/24	03/28/24
UNP	\$1.30	02/29/24	03/29/24



Week 6 Rail Carload Data: Up 0.9% Y-Y

Key Takeaways - Up 0.9% (from +7.2% last week): Total carloads for Week 6 of 2024 were up 0.9% year-year, to 611,545 (BNSF has not reported yet), moderating from last week's 7.2% increase (or 617,225 carloads). Carloads were up for the second consecutive weeks following four downticks. Growth in line with the past 10-week average of +1.0%, while the full 1Q24 Carloads compares against a 0.8% decrease in 1023 (BNSF not incl.) Coal was down (-3.9% year-year), reversing last week's 4.0% increase. This was the fifth downtick in six weeks. Nat Gas prices were down (-16%) to \$1.69/MMBtu from \$2.01/MMBtu last week. Coal's absolute level of carloads was 58k, above 55k last week, and the past 10-week avg of 54k. Chemical volumes were up 2.8% year-year, in line with last week's 2.7% increase. Chemicals were up for the 12th week over the last 13. Grain (+5.7%) was up, improving from last week's 0.0% flat post. Petroleum (+3.8%) was up, decelerating from last week's 13.0% increase. This was the 17th uptick over the last 18 weeks for Petroleum. Intermodal (+3.0%) was up, moderating from last week's 10.1% increase. Intermodal was up for the tenth time over the last 13 weeks, while absolute volumes were 279k, below 287k last week, but above the 261k past 10-week avg. Auto (+11.3%) was up, moderating from last week's 14.3% decrease. Auto was up for the second week following five consecutive downticks.

Overall Carloads: Week 6 carloads were up 0.9% year-year, as increases at NS (+4.7%) and CSX (+1.3%) more than offset decreases at UP (-0.2%), CN (-0.4%), and CPKC (-2.2%). Quarter-to-date, carloads are down 3.4% year-year, as all rails are down, led by: CPKC (-7.0%), CN (-5.9%), UP (-4.1%), NS (-0.7%), and CSX (-0.6%). The 1Q24 carload trend of -3.4% is below our -0.1% full quarter target for the Class I rails on average. The avg. carrier is trending below our target (-350 bps), with UNP the best at -220 bps vs. our tgt. (-4.1% vs. our -1.9%), vs CPKC the worst at -510 bps (-7.0% vs. our -1.9%).

Revenue Ton Miles: Week 6 RTMs: CN's RTMs are down 5.1% y-y 1QTD. CPKC's RTM are down 4.3% y-y 1QTD.

Specifics: Intermodal carloads (45.7% of total) were up 3.0% year-year, as increases at NS (+9.3%), CSX (+5.6%), and CN (+1.9%) more than offset decreases at UP (-0.6%) and CPKC (-6.3%). **Coal carloads (9.5% of total)** were down 3.9% year-year, as decreases at NS (-10.2%), UP (-7.3%), CN (-4.6%), and CSX (-4.5%) more than offset an increase at CPKC (+15.4%). **Chemical carloads (9.5% of total)** were up 2.8% year-year, as increases at UP (+5.3%), CSX (+5.0%), CN (+4.0%), and NS (+0.7%) more than offset a decrease at CPKC (-4.4%). **Grain carloads (4.5% of total)** were up 5.7% year-year, as increases at NS (+18.8%), CN (+14.5%), UP (+10.4%), and CPKC (+6.6%) more than offset a decrease at CSX (-28.6%). **Petroleum carloads (3.9% of total)** were up 3.8% year-year, as increases at CSX (+19.2%), CN (+6.8%), UP (+4.8%), and CPKC (+0.8%) more than offset a decrease at NS (-13.2%). **Auto carloads (5.3% of total)** were up 11.3% year-year, as increases at UP (+23.8%), CSX (+15.2%), CPKC (+8.7%), and NS (+2.9%) more than offset a decrease at CN (-0.5%).

Exhibit 3: Carloads Week 6 2024 vs. 2023 and 1QTD volumes Week 6 Rail Carload Data: Up 0.9% Y-Y

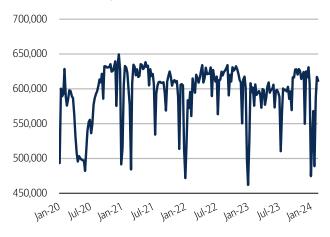
	% of total	2024 Wk 6	2023 Wk 6	% Δ	1Q24 QTD	% Δ
Intermodal	45.7%	279,687	271,622	3.0%	1,552,089	-0.4%
Coal	9.5%	58,028	60,372	-3.9%	317,438	-11.2%
Chemicals	9.5%	58,103	56,519	2.8%	327,087	1.5%
Auto	5.3%	32,431	29,147	11.3%	160,429	-5.9%
Grain	4.5%	27,517	26,023	5.7%	143,688	-13.1%
Forest Prod.	3.4%	21,002	20,920	0.4%	122,092	-2.6%
Petrol. Prod.	3.9%	23,915	23,029	3.8%	139,667	2.0%
Total Carloads		611,545	606,380	0.9%	3,395,334	-3.4%

Source: BofA Global Research and AAR.



Exhibit 4: Total Weekly Carload Volumes

Total volumes were 611,545 for Week 6



Source: BofA Global Research and Association of American Railroads.

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Exhibit 5: Total Weekly Carload Growth Y-o-Y

Total volume growth was +0.9% y-y for Week 6



Source: BofA Global Research and Association of American Railroads.

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Exhibit 6: Total Quarterly Carload Growth Y-o-Y

Total Carloads Forecast Down 0.1% in 1Q24

	4Q19a	1Q20a	2Q20a	3Q20a	4Q20a	1Q21a	2Q21a	3Q21a	4Q21a	1Q22a	2Q22a	3Q22a	4Q22a	1Q23a	2Q23a	3Q23a	4Q23a	1Q24e
BNSF	-2.5%	-5.2%	-17.9%	-8.3%	2.6%	4.8%	24.5%	4.4%	-3.1%	-3.3%	-5.6%	-5.0%	-9.2%	-10.3%	-11.1%	-4.8%	n/a	
CNI	0.4%	-5.9%	-15.9%	-5.9%	7.1%	7.2%	13.5%	-0.9%	-10.0%	-5.9%	0.3%	2.9%	2.5%	0.5%	-7.1%	-9.7%	-1.4%	-1.0%
CPKC						-1.1%	19.6%	-0.5%	-5.7%	-4.0%	0.1%	10.1%	7.5%	5.7%	-2.3%	-4.9%	1.8%	-1.9%
CSX	-5.3%	-1.1%	-20.5%	-3.0%	3.9%	1.0%	26.6%	2.7%	-1.8%	-2.0%	0.2%	1.5%	-1.8%	-0.8%	-3.0%	-2.3%	1.2%	1.9%
NSC	-5.8%	-11.4%	-25.6%	-7.0%	-1.2%	2.9%	25.5%	-0.3%	-3.6%	-4.5%	-3.3%	-2.1%	-1.3%	-0.1%	-5.6%	-2.2%	2.9%	2.2%
UNP	-8.1%	-7.0%	-19.6%	-4.0%	2.9%	-0.7%	21.9%	0.0%	-3.9%	4.1%	-1.4%	3.2%	0.8%	-1.4%	-1.8%	-2.7%	3.4%	-1.9%
Total	-4.1%	-1.2%	-16.2%	-1.9%	6.9%	2.5%	22.3%	1.2%	-4.4%	-2.4%	-2.1%	0.8%	-1.5%	-2.2%	-5.6%	-4.3%	1.7%	-0.1%

Source: BofA Global Research and Association of American Railroads.

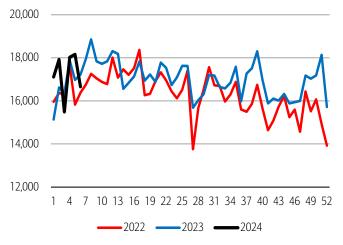
Note: The total for 1Q24 is an average of the estimates; CPKC Reinstated data from 2020; 4Q23 totals does not include BNSF due to no new released data as of 02/07/24.

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Selected Segments Weekly Carloads

Exhibit 7: Metal Carloads

Metal Carloads were 16,655 in Week 6, down 3.3% Y-Y

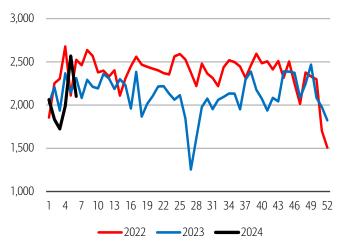


Source: BofA Global Research and Company data.

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Exhibit 8: Forest Product Carloads

Forest Product Carloads were 2,101 in Week 6, down 9.1% Y-Y



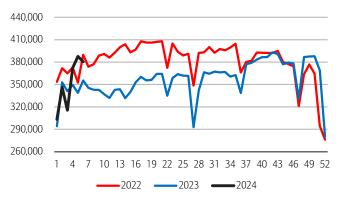
Source: BofA Global Research and Company data.



Selected Segments Weekly Carloads

Exhibit 9: Intermodal Carloads

Intermodal Carloads were 380,356 in Week 6, up 7% Y-Y



Source: BofA Global Research and Company data.

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85,000 75,000 65,000

4 7 10 13 16 19 22 25 28 31 34 37 40 43 46 49 52

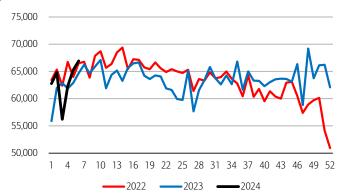
-2023 **---**2024

Source: BofA Global Research and Company data.

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Exhibit 11: Chemical Carloads

Chemical Carloads were 66,941 in Week 6, up 3.5% Y-Y



Source: BofA Global Research and Company data.

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Exhibit 12: Grain Carloads

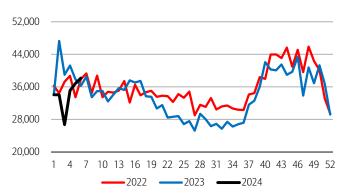
Exhibit 10: Coal Carloads

95,000

Coal Carloads were 84,231 in Week 6, down 5.8% Y-Y

Grain Carloads were 38,149 in Week 6, up 5.2% Y-Y

-2022 **-**

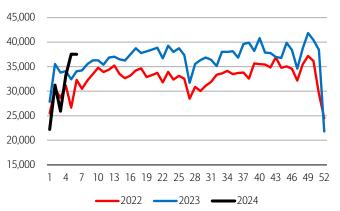


Source: BofA Global Research and Company data.

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Exhibit 13: Auto Carloads

Auto Carloads were 37,525 in Week 6, up 10.1% Y-Y

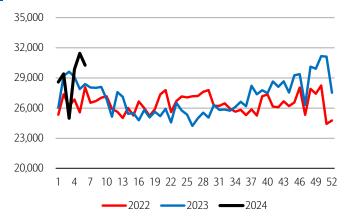


Source: BofA Global Research and Company data.

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Exhibit 14: Petroleum Products Carloads

Petroleum Products Carloads were 30,264 in Week 6, up 6.6% Y-Y



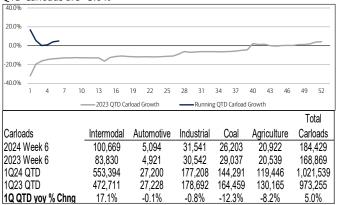
Source: BofA Global Research and Company data.



Selected Segments Weekly Carloads

Exhibit 15: BNSF Carloads

QTD Carloads are +5.0%

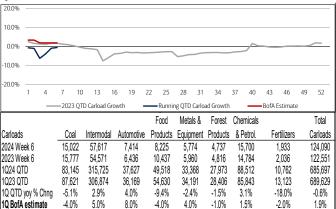


Source: BofA Global Research estimates, Association of American Railroads, and Company reports

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Exhibit 17: CSX Carloads

QTD Carloads are -0.6% vs. BofAe +1.9%

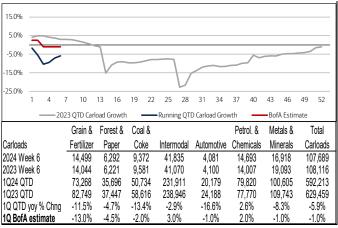


Source: BofA Global Research estimates, Association of American Railroads, and Company reports

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Exhibit 19: CNI Carloads

QTD Carloads are -5.9% vs. BofAe -1.0%

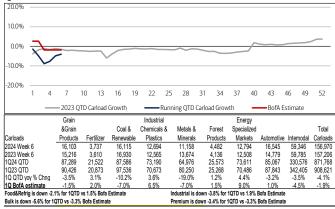


Source: BofA Global Research estimates, Association of American Railroads, and Company reports

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Exhibit 16: Union Pacific Carloads

QTD Carloads are -4.1% vs. BofAe -1.9%

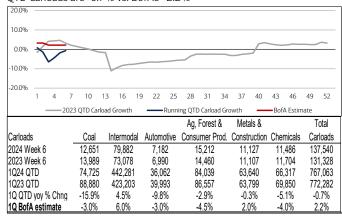


Source: BofA Global Research estimates, Association of American Railroads, and Company reports

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Exhibit 18: NSC Carloads

QTD Carloads are -0.7% vs. BofAe +2.2%

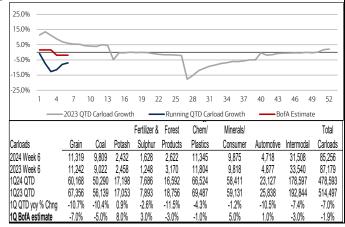


Source: BofA Global Research estimates, Association of American Railroads, and Company reports

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Exhibit 20: CPKC Carloads

QTD Carloads are -7.0% vs. BofAe -1.9%



Source: BofA Global Research estimates, Association of American Railroads, and Company reports



Diesel Fuel Prices: +5.4% sequentially

Diesel fuel prices were up 5.4% from last week, to \$4.11 for week 6 of 2024. Prices surged above \$4.00 following nine consecutive weeks below, and posted the biggest uptick since Week 31 in 2023 (+5.7%). The 1Q24 average for on-highway diesel is \$3.90/gallon, down 12% y-y from \$4.41 in 1Q23, and down 9% sequentially from 4Q23's \$4.26.

WTI crude oil futures closed at \$77.87, up 6.2% from last week's \$73.31. WTI declined for the second week following four consecutive upticks. The 1Q24 average is \$74.07, down 3% from 1Q23's \$76.12 average, and down 6% from 4Q23's \$78.44. We target \$77 and \$80 for 1Q24 and 2024.

Brent crude oil futures closed at \$82.77, up 5.3% from last week's \$78.59. The 1Q24 average is \$79.38, down 3% from 1Q23 average of \$82.16, and down 4% from 4Q23's average of \$82.80.

The Brent to WTI gap is \$4.90, up from last week's \$5.28. The current spread is down 19% from the 1Q23 avg. of \$6.04.

Natural Gas futures closed at \$1.69 on February 13th, down 16% from \$2.08 last Tuesday. Nat Gas dropped below \$2.00 for the first time since Week 38 of 2020 (\$1.83) and posted the fifth consecutive downtick. The 1Q24 average is \$2.41, down 15% from the 1Q23 average of \$2.83.

Exhibit 21: Fuel surcharges

Weekly and Monthly surcharges table

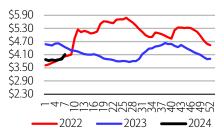
	Week 6	Week 7	Week 8		
	<u>1/31/24</u>	<u>2/7/24</u>	<u>2/14/24</u>		
ARCB - LTL	31.3%	31.5%	33.8%		
XPO - LTL	32.3%	32.8%	32.8%		
ARCB - TL	62.6%	63.0%	67.6%		
XPO - TL	64.5%	65.6%	65.6%		
FDX - Express	16.75%	17.00%	17.25%		
UPS - Express	19.75%	20.25%	20.50%		
FDX - Ground	15.25%	15.25%	15.25%		
UPS - Ground	15.25%	15.50%	15.50%		
	<u>Dec-23</u>	<u>Jan-24</u>	<u>Feb-24</u>		
UP (standard)	\$0.49	\$0.44	\$0.38		
y-y % change	-22%	-31%	-28%		
UP (coal)	\$0.49	\$0.44	\$0.38		
y-y % change	-22%	-31%	-28%		
CSX	\$0.63	\$0.57	\$0.50		
y-y % change	-22%	-30%	-26%		
CPKC	\$0.60	\$0.53	\$0.46		
y-y % change	-22%	-32%	-29%		

Source: BofA Global Research and company reports.

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Exhibit 22: National Diesel Fuel Prices

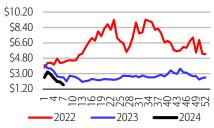
Diesel fuel prices: \$4.11 for week 6 of 2024



Source: BofA Global Research, DOE, Bloomberg

Exhibit 23: US Nat Gas Price Per MMBtu.

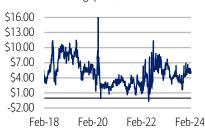
Futures closed at \$1.69 on February 13th



Source: BofA Global Research, DOE, Bloomberg BofA GLOBAL RESEARCH

Exhibit 24: Brent to WTI Spread

The Brent to WTI gap is \$4.90



Source: BofA Global Research, DOE, Bloomberg BofA GLOBAL RESEARCH

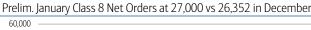
Exhibit 25: Thermal Coal, Europe Coal 6000kcal CIF ARA Forward



Source: BofA Global Research and Bloomberg.

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Exhibit 27: Class 8 Truck net orders





Source: BofA Global Research estimates and American Commercial Transportation Research (ACT)

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Exhibit 28: Class 8 Truck net orders

Final Class 8 Net Orders at 26,352 (Preliminary was 26,500)

CLASS 8 NET	CLASS 8 NET ORDERS											
	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>						
JAN	49,136	16,105	17,204	42,307	21,041	18,624						
FEB	40,271	16,854	14,040	44,190	21,006	23,790						
MAR	46,593	15,783	7,632	40,049	21,301	19,010						
APR	34,735	14,859	4,251	33,353	15,820	12,016						
MAY	35,721	10,886	6,690	23,072	14,081	15,623						
JUN	42,213	12,979	16,010	25,824	15,444	16,773						
JUL	52,618	10,298	20,359	25,876	11,025	15,573						
AUG	53,040	11,119	19,389	37,096	20,892	19,513						
SEP	42,781	12,692	30,768	27,323	53,271	36,974						
OCT	43,526	21,864	39,089	23,391	42,359	32,287						
NOV	28,114	17,483	52,104	9,902	32,630	41,732						
DEC	21,381	20,073	50,760	20,651	30,623	26,352						
Year Total	490.129	180.995	278.296	353.034	299.493	278.336						

Source: American Commercial Transportation Research (ACT)

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Exhibit 26: Australian Premium Coking Coal Futures



Source: BofA Global Research and Bloomberg.

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Prelim. January Class 8 Net Orders at 27,000 (from 26,352 in December)

December Class 8 Final Orders at 26,352



Exhibit 29: Class 8 Truck production

Class 8 Truck Production at 26,110 in December



Source: BofA Global Research estimates and American Commercial Transportation Research (ACT)

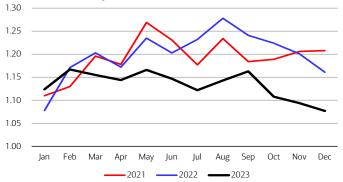
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Class 8 Truck Production at 26,110 Down 8% Sequentially

Cass Freight Index: -7.2% Y-Y, -1.6% M-M

Exhibit 30: Cass Freight Shipments Index

December's Cass Freight Index: -7.2% Y-Y, -1.6% M-M

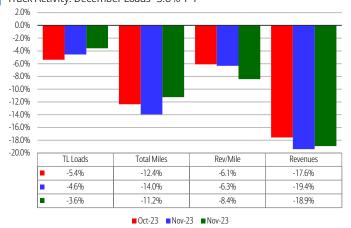


 $\textbf{Source:} \ \mathsf{Cass} \ \mathsf{Information} \ \mathsf{Systems}, \mathsf{Inc}.$

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Exhibit 31: Truck Activity

Truck Activity: December Loads -3.6% Y-Y



Source: American Trucking Association

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December Total Truck Loads: -3.6% Y-Y

Exhibit 32: Historical ATA Truck Tonnage Index

Preliminary December Truck Tonnage: -0.5% Y-Y, +2.1% M-M



Source: American Trucking Association

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Exhibit 33: Historical ATA Truck Tonnage Index

December Truck Tonnage: -1.0% Y-Y, +1.6% M-M

	2017	2018	2019	2020	2021	2022	2023
JAN	103.2	109.5	116.1	117.0	114.2	115.5	117.0
FEB	104.2	111.9	116.1	116.9	112.5	116.1	118.0
MAR	103.5	112.7	116.7	117.9	114.5	118.8	114.7
APR	104.3	111.9	117.6	107.3	113.7	116.5	112.7
MAY	105.0	113.3	117.4	109.7	112.9	117.1	114.1
JUN	103.7	113.8	117.1	111.1	111.3	117.5	113.8
JUL	106.9	113.0	118.3	113.1	110.6	115.8	115.0
AUG	108.2	113.7	119.7	110.9	110.8	118.2	115.2
SEP	108.8	114.7	117.3	111.0	112.7	119.1	113.9
OCT	109.2	116.0	117.9	111.1	113.1	117.6	114.9
NOV	109.9	116.8	116.9	111.8	113.8	114.8	113.3
DEC	111.6	114.7	116.1	113.1	114.9	116.2	115.1
Avg.	106.5	113.5	117.3	112.6	112.9	116.8	114.8

Source: American Trucking Association

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Exhibit 34: ISM Manufacturing Index

January ISM Manufacturing Index 49.1, +2.0 pts.



Source: BofA Global Research and Bloomberg.

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Prelim. December Truck Tonnage: -0.5% Y-Y, +2.1% M-M

December Truck Tonnage: -1.0% Y-Y, +1.6% M-M

ISM Manufacturing Index 49.1, +2.0 pts.



Exhibit 35: BofA Truckload Diffusion Indicator

Demand Indicator at 50.5 from 52.8 (bi-weekly Issue #302 on Feb 8th)



Source: BofA Global Research estimates

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Exhibit 36: Shippers' 6-12 months outlook for freight demand

L-T Demand Indicator at 58.7, up 0.3% sequentially



Source: BofA Global Research estimates

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Exhibit 37: Shippers' view of inventory levels

Inventory Indicator at 56.1, up 3% from last issue.



Source: BofA Global Research estimates

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BofA TRUCK SHIPPER SURVEY Survey Says: Demand (50.5)

This week, our proprietary bi-weekly BofA Truckload Demand **Indicator** for shippers' 0- to 3-month freight demand outlook decreased to 50.5 from 52.8 last survey. The Demand Indicator has now been at- or above-50 for 4 consecutive issues and 7x over the past 12. This positive stretch follows a period at- or below-50 for 21 of the prior 25 issues (since February 2023). The Indicator remains below the 54.2 average during the '12, '15, '19 Freight Recession periods, highlighting the muted backdrop, yet improving from its 2023 trough (42.6). The Demand Indicator was up 12% year-year, its 11th yr-yr uptick in the past 12 issues. Rail carloads increased 4% year-year this week, the 1st uptick after 3 weeks of declines from Jan. weather impacts. Dry van spot rates ex-fuel were \$1.46/mile, down a touch from \$1.48/mile last week, in line with normal seasonal pullbacks around Lunar New Year, yet remaining above the \$1.21-\$1.26 band it was at in Aug-Oct 2023. Of the respondents, 27% had a positive short-term demand outlook, up from 25% last survey; neutral outlooks were 47%, down from 55% last survey, and negative outlooks were 27%, up from 20% last survey. In the week of February 8th, we surveyed 49 shippers for views on truckload demand, supply, pricing, and inventory.

Capacity view lowest in 11 surveys; Inventory ticks up

The Rate Indicator, or shippers' view on truck rates, decreased to 49.0 from 52.3 last issue, down 6% sequentially after surpassing 50 last survey for the first time in 92 weeks. **The Inventory Indicator** increased to 56.1 from 54.5 last issue, as shippers hold higher inventories into Lunar New Year. **The Truck Capacity Indicator**, which gauges shippers' views of available truck capacity, decreased to 59.2 from 61.4 last survey, its lowest in 11 surveys as capacity continues to tighten.

Rates face seasonal soft patch

With respect to rates, 22% of shippers expect rates to fall, up from 11% last issue, 57% expect pricing to be flat, down from 73% last issue, and 20% expect rates to rise, up from 16% last issue. On capacity, 31% expect capacity to rise, vs 27% last issue, 57% expect capacity to stay flat, from 68% last issue, 12% expect capacity to be lower, vs 5% last issue. **SHIPPER COMMENTS:** A Consumer Shipper noted spot market rates are increasing week-over-week, while contracted rates remain flat. An Industrial Shipper is seeing pockets of tightness from weather events and year end rail congestion. It is still receiving lots of cold calls from carriers looking for business. An Industrial Shipper sees rates moving up slightly as the market recovers from the lows. (See survey for additional commentary).



Exhibit 38: Shippers' view of Trucking rates over the next 3 months Rate Indicator at 49.0, -6% sequentially



Source: BofA Global Research estimates

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Exhibit 40: BofA Truckload 0-3 month Demand (Diffusion) Indicator Diffusion indicator month-by-month levels

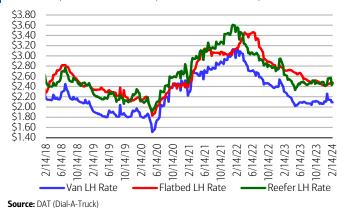
	:	2020		2021		2022		2023		2024
Jan	1/2	52.3	1/14	63.8	1/13	75.0	1/12	47.5	1/11	51.6
	1/16	54.1	1/28	63.8	1/27	70.0	1/26	51.3	1/25	52.8
Feb	1/30	54.6	2/11	67.5	2/10	69.5	2/9	45.1	2/8	50.5
	2/13	53.1	2/25	68.8	2/24	71.9	2/23	47.6	2/22	
Mar	2/27	51.3	3/11	72.9	3/10	70.3	3/9	46.9	3/8	
	3/12	46.1	3/25	68.8	3/24	69.2	3/23	48.3	3/22	
Apr	3/26	43.5	4/8	73.0	4/7	64.1	4/6	49.5	4/5	
	4/9	37.2	4/22	75.7	4/21	58.0	4/20	44.4	4/19	
	4/23	33.3	5/6	77.6	5/5	57.5	5/4	49.5	5/3	
May	5/7	37.8	5/20	78.3	5/19	55.0	5/18	44.3	5/17	
	5/21	46.2	6/3	78.3	6/2	58.5	6/1	42.6	5/31	
Jun	6/4	54.6	6/17	78.1	6/16	54.0	6/15	47.9	6/14	
	6/18	56.4	7/1	75.7	6/30	55.5	6/29	49.4	6/28	
Jul	7/2	59.3	7/15	70.9	7/14	50.9	7/13	47.1	7/12	
	7/16	62.5	7/29	74.3	7/28	53.9	7/27	50.0	7/26	
Aug	7/30	59.1	8/12	73.0	8/11	50.0	8/10	55.2	8/9	
	8/13	63.5	8/26	73.0	8/25	54.5	8/24	51.0	8/23	
Sep	8/27	71.1	9/9	73.6	9/8	51.6	9/7	52.4	9/6	
	9/10	75.8	9/23	75.0	9/22	50.0	9/21	50.0	9/20	
Oct	9/24	78.1	10/7	69.4	10/6	47.6	10/5	48.9	10/4	
	10/8	73.3	10/21	68.3	10/20	45.6	10/19	52.5	10/18	
	10/22	70.0	11/4	76.6	11/3	42.4	11/2	47.7	11/1	
Nov	11/5	72.5	11/18	67.7	11/17	50.4	11/16	44.4	11/15	
	11/19	69.9	12/2	69.7	12/1	47.8	11/30	49.0	11/29	
Dec	12/3	63.8	12/16	68.6	12/15	47.2	12/14	49.0	12/13	
	12/17	66.3	12/30	66.7	12/29	49.4	12/28	52.4	12/27	
	12/31	67.7								

Source: BofA Global Research estimates

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Exhibit 42: Month-to-Date Run Rate

Van Rate = \$2.09 Flatbed Rate = \$2.48 & Reefer Rate = \$2.46



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Exhibit 39: Shippers' view of Capacity over the next 3 months Capacity Indicator at 59.2, down 4% sequentially

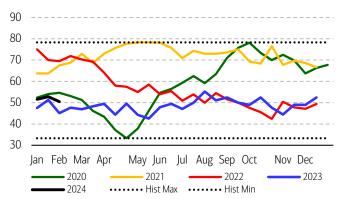


Source: BofA Global Research estimates.

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Exhibit 41: Demand (Diffusion) Indicator for 0–3-month demand outlook on stack basis (2020-2024)

Demand Indicator to 50.5 (bi-weekly Issue #302 on February 8th)



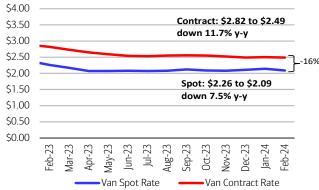
Source: BofA Global Research estimates

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Disclaimer: The indicator identified as BofA Truckload Diffusion Indicator in this report is intended to be an indicative metric only and may not be used for reference purposes or as a measure of performance for any financial instrument or contract, or otherwise relied upon by third parties for any other purpose, without the prior written consent of BofA Global Research. This indicator was not created to act as a benchmark.

Exhibit 43: Monthly Van Spot Rate vs. Contract Rate

Van Spot Rate = \$2.09 & Contract Rate = \$2.49

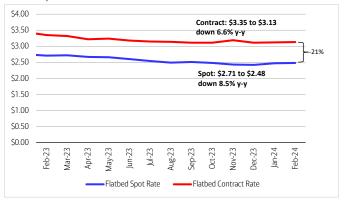


Source: DAT (Dial-A-Truck)



Exhibit 44: Monthly Flatbed Spot Rate vs. Contract Rate

Flatbed Spot Rate = \$2.48 & Contract Rate = \$3.13

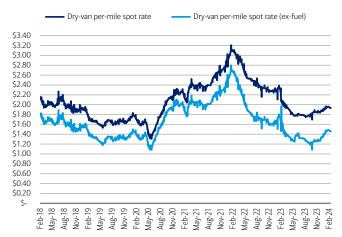


Source: DAT (Dial-A-Truck)

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Exhibit 46: Truckstop.com Spot Rates

Dry-Van Spot = \$1.93 Dry-Van (ex-fuel) = \$1.46

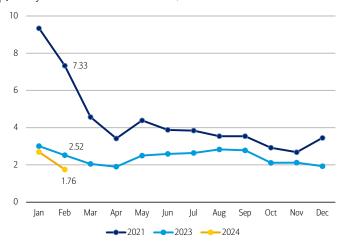


Source: Truckstop.com, Bloomberg

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Exhibit 47: Van Load to Truck Ratio

January Load-to-Truck Ratio was 1.76, down 35% M-M



Source: DAT (Dial-A-Truck), Bloomberg

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Exhibit 45: Monthly Reefer Spot Rate vs. Contract Rate

Reefer Spot Rate = \$2.46 & Contract Rate = \$2.85



Source: DAT (Dial-A-Truck)

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TruckStop Spot Rates: Dry-Van Spot = \$1.93, Dry-Van (ex-fuel) = \$1.46

Truckstop.com's Dry van spot rates ex-fuel were \$1.46/mi for the week ending February 14, from \$1.47/mi the prior week (February 7) and are up 4% YTD (from \$1.41/mi on Dec 31).

Truckstop.com's Dry van spot rates (fuel included) were \$1.93/mi for the week ending February 14, from \$1.94/mi the prior week (February 7) and are up 1% YTD (from \$1.91/mi on Dec 31).

Fuel represented \$0.47/mi, flat with last week's \$0.47/mi and down from \$0.50 on Dec 31.

DAT Spot Dry-Van Load/Truck Ratio = 1.44

Weekly Update: DAT's (Dial-a-Truck) dry-van spot load-to-truck ratio was 1.44 for the week ended February 11th, down from 2.07 (-30%) the prior week (February 4), and up from 2.37 (-39%) a year prior. This was the lowest historic level for the Ratio.

Monthly Update: DAT's (Dial-a-Truck) dry-van spot load-to-truck ratio is at 1.76 for the month of February, down from 2.69 in January, and down from 2.52 (-30%) a year prior. In January, the Ratio was down year-year for the 24th consecutive month.

Exhibit 48: Top 10 US Ports Loaded Volumes

Top 10 Ports in December: +8.2% Y-Y, LA/LB +15% Y-Y

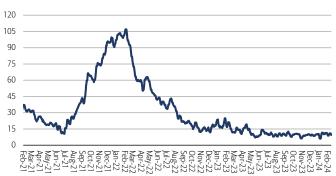
Top 10 U.S. Ports	2023 TEU's	2023 YTD Chg.	Nov-23 Y-Y %	Dec-23 Y-Y %	Nov-23 TEU's	Dec-23 TEU's
Los Angeles (18%)	5,733,326	-7%	25%	8%	496,374	486,236
Long Beach (16%)	5,086,796	-12%	21%	22%	464,137	437,017
Total LA/LB	10,820,122	-9%	23%	15%	960,511	923,253
(35% of total US)						
New York (17%)	5,275,292	-14%	-5%	6%	436,302	430,690
Savannah (13%)	3,738,450	-11%	-3%	-1%	318,679	321,579
Houston (11%)	3,175,543	0%	-10%	11%	254,027	270,618
Norfolk (9%)	2,627,523	-6%	6%	-1%	230,047	213,388
Seaport Alliance (6%)	1,667,451	-8%	2%	19%	138,832	156,423
Charleston (7%)	1,923,450	-6%	1%	-3%	157,512	162,100
Oakland (5%)	1,575,077	-10%	1%	15%	132,648	142,148
Maryland (1%)	725,405	2%	0%	n/a	61,962	-
Total Top 10	31,528,313	-6.9%	5.4%	8.2%	2,690,52	2,620,199
(91.5% of US)					0	
Vancouver	2,355,940	-7%	4%	42%	213,457	215,153
Prince Rupert	494,713	-26%	-10%	-20%	41,679	44,340

Source: Ports of Los Angeles, Long Beach, New York, Savannah, Norfolk, Oakland, Houston, Charleston, Vancouver, Maryland, and BofA Global Research estimates

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Exhibit 49: Port of Los Angeles/Long Beach Vessels waiting to dock

On one-week moving average, vessels at anchor and loitering (given new queue system) were 9.4 on 02/14/24 (vs 10.4 on 02/07/24). On day-of basis: 8 vs 12 (includes 8 vs 12 vessels at dock), or $\bf 0$ vs $\bf 0$ in queue alone.



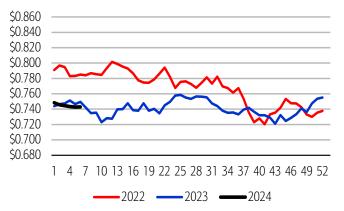
Source: BofA Global Research and Port of LA/Long Beach

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Canadian Dollar and Mexican Peso FX Rates

Exhibit 50: Price of 1 Canadian Dollar in US\$

1 CAD = 0.743 US\$



Source: Bloomberg

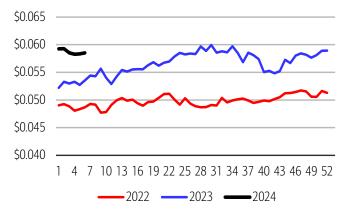
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Top 10 Ports in December: +8.2% Y-Y, LA/LB +15% Y-Y

Port of LA/Long Beach – Ships in queue – 0 on 02/14/24 (from 0 a week prior)

Exhibit 51: Price of 1 Mexican Peso in US\$

1 MXN = 0.059 US\$



Source: Bloomberg



Exhibit 52: IATA Volume year-over-year growth

IATA Freight Vols: +10.8% Y-Y in December, North America +2.0%



Source: International Air Transport Association

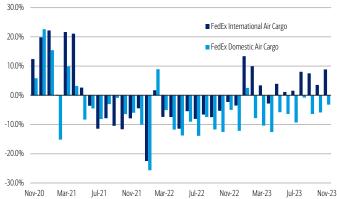
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IATA Freight Vols: +10.8% Y-Y in December, North America +2.0%

Memphis Airport FDX Air Cargo Volumes in November: -3.2% Y-Y

Exhibit 53: FedEx Air Cargo Volumes at Memphis International Airport

Memphis Airport FDX Domestic Air Cargo Volumes in November: -3.2 % Y-Y



Source: BofA Global Research and Memphis International Airport Statistics

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Exhibit 54: Hong Kong Airport cargo (000 tons)

HKIA in December: +19.3% Y-Y, +0.2% M-M



Source: Hong Kong International Airport

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Hong Kong Airport (HKIA): +19.3% Y-Y, +0.2% M-M



Rail Performance Measures

Overall Takeaway: The 3 main service level metrics for Class I Rails deteriorated on a sequential basis this week, as Velocity, Dwell Time, and Cars-On-Line were down. At the same time, all 3 metrics posted upticks on a year-over-year basis for the second week, as Velocity, Cars-On-Line and Dwell Time improved. CNI (+0.5%) led the group in velocity this week, improving from last week's 0.0% flat post. NSC (-2.3%) trailed the group, reversing last week's 2.3% increase. BNSF has not reported yet.

Velocity (avg. speed of rail network, faster is better): Deteriorated sequentially (-1.4%) and Improved year-over-year (+3.1%).

Cars-on-Line (fewer cars-on-line is better): Deteriorated sequentially (+0.2%) and improved year-over-year (-1.6%).

Terminal Dwell (lower is better): Deteriorated sequentially (+0.4%) and Improved year-over-year (-7.0%).

Exhibit 55: Rail Performance Metrics

Service levels deteriorated sequentially but improved year-over-year

Rail Performance Measures

Velocity (avg. speed of rail network, faster is better)

velocity (avg. speca of rail fletwork, faster is better)					
	2024	2024	2023	-	_
(miles per hour)	Week 6	Week 5	Week 6	% Seq Chg	% y-y Chg
CNI	19.4	19.3	19.9	0.5%	-2.5%
CPKC	19.2	19.6	17.1	-2.0%	12.3%
CSX	18.2	18.5	18.7	-1.6%	-2.7%
NSC	21.6	22.1	19.9	-2.3%	8.5%
UNP	23.9	24.3	23.6	-1.6%	1.3%
BNSF (1)	26.2	26.2	25.6	0.0%	2.3%
Average	20.5	20.8	19.8	-1.4%	3.1%

Chg	Chg		
Slower		Faster	
-1.4%		+3.1%	

0/s Soc

Cars On Line (fewer cars-on-line is better)

	2024	2023	2023	-	
(no. of cars)	Week 6	Week 5	Week 6	% Seq Chg	% y-y Chg
CNI	83,711	83,570	86,839	0.2%	-3.6%
CPKC	89,394	89,482	98,218	-0.1%	-9.0%
CSX	125,443	123,718	125,587	1.4%	-0.1%
NSC	169,399	168,914	168,517	0.3%	0.5%
UNP	312,315	313,077	313,577	-0.2%	-0.4%
BNSF (1)	260,252	260,252	253,196	0.0%	2.8%
Average	156,052	155,752	158,548	0.2%	-1.6%

vvorse	ı
+0.2%	

Better
-1.6%

Terminal Dwell Time (lower is better)

	2023	2023	2023	_	
(time in hours)	Week 6	Week 5	Week 6	% Seq Chg	% y-y Chg
CNI	6.8	7.0	7.4	-2.9%	-8.1%
CPKC	9.2	9.4	10.5	-2.1%	-12.4%
CSX	9.6	9.1	8.8	5.5%	9.1%
NSC	23.0	22.8	26.1	0.9%	-11.9%
UNP	23.3	23.3	24.5	0.0%	-4.9%
BNSF (1)	27.1	27.1	28.9	0.0%	-6.2%
Average	14.4	14.3	15.5	0.4%	-7.0%

Worse +0.4%



(1): Due the BNSF reporting schedule the reported data is delayed by one week and not included on the averages.

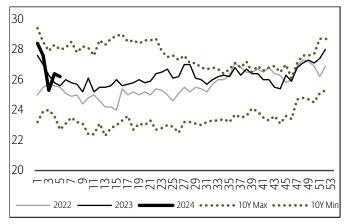
Source: BofA Global Research, company reports



Weekly Rail Velocity Monitor

Exhibit 56: BNSF Velocity

BNSF velocity was 26.2 mph for week 5

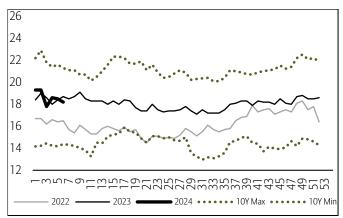


Source: Company reports, and Association of American Railroads.

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Exhibit 58: CSX Velocity

CSX velocity was 18.2 mph for week 6

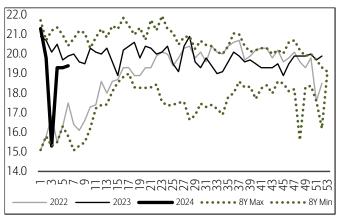


Source: Company reports, and Association of American Railroads.

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Exhibit 60: Canadian National Velocity

CNI velocity was 19.4 mph for week 6



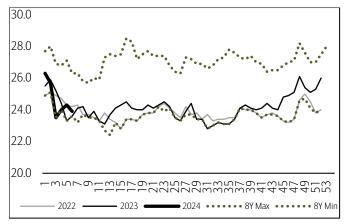
Source: Company reports, and Association of American Railroads.

CNI restated performance metrics, historical data available from 2017

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Exhibit 57: Union Pacific Velocity

UNP velocity was 23.9 mph for week 6



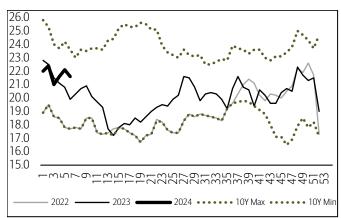
Source: Company reports, and Association of American Railroads.

UNP restated performance metrics, historical data available from 03/24/17

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Exhibit 59: Norfolk Southern Velocity

NSC velocity was 21.6 mph for week 6

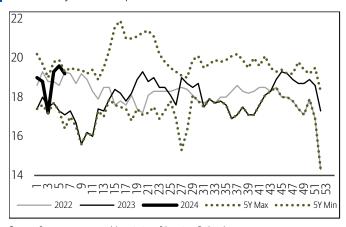


Source: Company reports, and Association of American Railroads.

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Exhibit 61: Canadian Pacific Kansas City Velocity

CPKC velocity was 19.2 mph for week 6



Source: Company reports, and Association of American Railroads.

CPKC restated performance metrics, historical data available from 2020

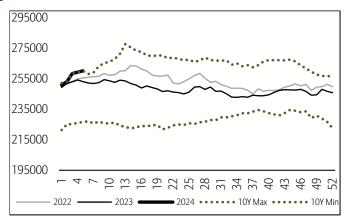
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Weekly Cars On-Line Monitor

Exhibit 62: BNSF Cars-On-Line

BNSF cars on line were 260,252 for week 5

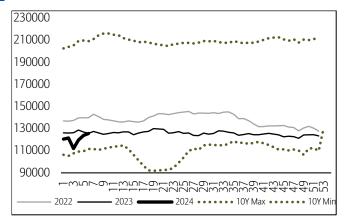


Source: Company reports, and Association of American Railroads.

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Exhibit 64: CSX Cars-On-Line

CSX cars on line were 125,443 for week 6

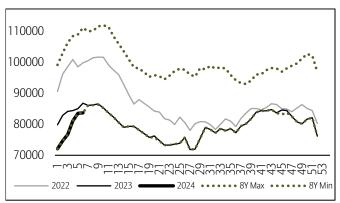


Source: Company reports, and Association of American Railroads.

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Exhibit 66: Canadian National Cars-On-Line

CNI cars on line were 83,711 for week 6



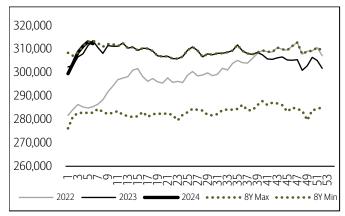
Source: Company reports, and Association of American Railroads.

CNI restated performance metrics, historical data available from 2017

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Exhibit 63: Union Pacific Cars-On-Line

UNP cars on line were 312,315 for week 6



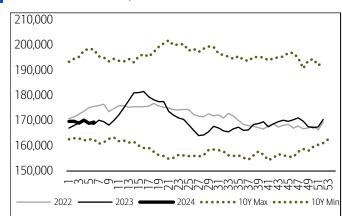
Source: Company reports, and Association of American Railroads.

UNP restated performance metrics, historical data available from 03/24/17

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Exhibit 65: Norfolk Southern Cars-On-Line

NSC cars on line were 169,399 for week 6

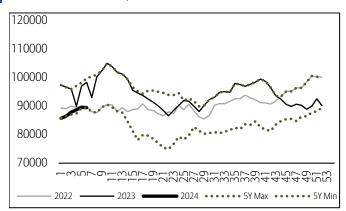


Source: Company reports, and Association of American Railroads.

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Exhibit 67: Canadian Pacific Kansas City Cars-On-Line

CPKC cars on line were 89,394 for week 6



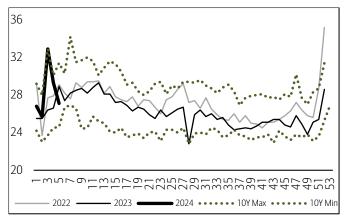
Source: Company reports, and Association of American Railroads. CPKC restated performance metrics, historical data available from 2020



Weekly Dwell Time Monitor

Exhibit 68: BNSF Dwell Time

BNSF dwell time was 27.1 hrs for week 5

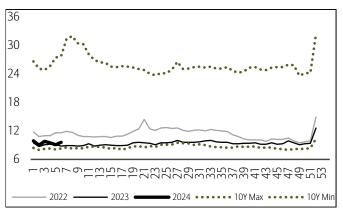


Source: Company reports, and Association of American Railroads.

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Exhibit 70: CSX Dwell Time

CSX dwell time was 9.6 hrs for week 6

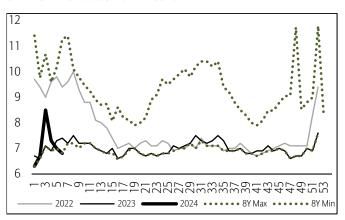


Source: Company reports, and Association of American Railroads.

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Exhibit 72: Canadian National Dwell Time

CNI dwell time was 6.8 hrs for week 6



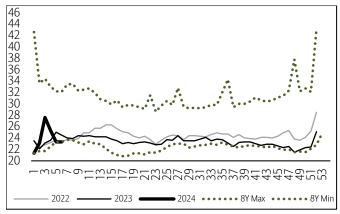
Source: Company reports, and Association of American Railroads.

CNI restated performance metrics, historical data available from 2017

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Exhibit 69: Union Pacific Dwell Time

UNP dwell time was 23.3 hrs for week 6



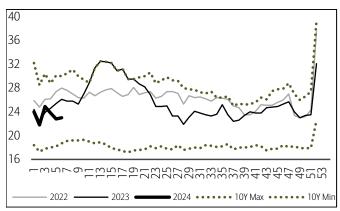
Source: Company reports, and Association of American Railroads.

UNP restated performance metrics, historical data available from 03/24/17

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Exhibit 71: Norfolk Southern Dwell Time

NSC dwell time was 23.0 hrs for week 6

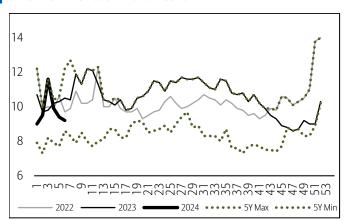


Source: Company reports, and Association of American Railroads.

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Exhibit 73: Canadian Pacific Kansas City Dwell Time

CPKC dwell time was 9.2 hrs for week 6



Source: Company reports, and Association of American Railroads. CPKC restated performance metrics, historical data available from 2020



Less-than-Truckload Data Update and Rail Employment

Exhibit 74: Less-than-Truckload Tons/Day Y-Y%

LTL Tons/Day is down 5.2% on avg y-y in Dec. (among peers that disclose)

	ODFL	YELL	ARCB	SAIA	XPO
Jan-23	-7.8%	-17.2%	1.6%	-3.7%	2.8%
Feb-23	-12.4%	1.3%	2.1%	-7.6%	-2.0%
Mar-23	-15.8%	-16.9%	4.3%	-5.2%	-5.5%
Apr-23	-14.5%	-16.4%	1.3%	-1.1%	-2.0%
May-23	-14.4%	-16.3%	2.0%	-2.0%	-2.3%
Jun-23	-13.3%	-18.3%	-0.2%	-2.2%	-4.0%
Jul-23	-11.1%		-5.2%	3.4%	4.2%
Aug-23	-6.0%		-7.1%	6.8%	3.3%
Sep-23	-3.7%		-6.6%	9.7%	2.2%
Oct-23	-1.9%		-4.0%	7.8%	2.5%
Nov-23	-2.3%		-10.0%	9.2%	-0.5%
Dec-23	-2.5%		-8.3%	6.8%	3.6%
Jan-24	-5.1%		-18.0%	3.3%	-1.1%
المائد والمسامل والمسامل والمسام	L / D - £ A				

No data provided (BofA quarterly average)

Source: BofA Global Research estimates and company reports

Note: ODFL's January Tons are preliminary

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Exhibit 76: Less-than-Truckload Shipments/Day Y-Y%

Shipments/Day is up 1.4% on avg y-y in Dec. (among peers that disclose)

	ODFL	YELL	ARCB	SAIA	XPO	FDX
Jan-23	-5.9%	-18.1%	7.1%	-4.0%	5.0%	-10.0%
Feb-23	-10.1%	-2.5%	9.5%	-7.6%	1.1%	-14.0%
Mar-23	-12.9%	-19.3%	7.3%	-9.4%	-0.5%	-19.0%
Apr-23	-11.8%	-15.4%	4.7%	-5.7%	3.1%	-17.0%
May-23	-11.4%	-13.8%	2.0%	-4.2%	1.8%	-17.0%
Jun-23	-11.2%	-16.4%	5.4%	-1.8%	0.9%	-16.0%
Jul-23	-8.5%		1.4%	6.0%	8.8%	-14.0%
Aug-23	-1.2%		2.1%	14.2%	8.3%	-8.0%
Sep-23	1.0%		0.9%	16.3%	6.6%	-6.0%
Oct-23	-8.5%		3.7%	18.0%	6.2%	-5.0%
Nov-23	-1.2%		-5.0%	18.9%	3.7%	-4.0%
Dec-23	1.0%		-1.9%	16.5%	6.6%	
Jan-24			-9.0%	11.8%	1.4%	

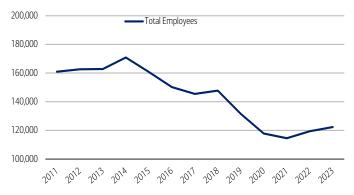
No data provided (BofA quarterly average)

Source: BofA Global Research estimates and company reports

BofA GLOBAL RESEARCH

Exhibit 77: STB employment data

December STB employment: 122,343, up 2.5% Y-Y

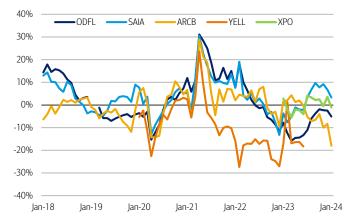


Source: STB

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Exhibit 75: Less-than-Truckload Tons/Day Y-Y%

LTL Tons/Day is down 5.2% on avg y-y in Dec. (among peers that disclose))



Source: BofA Global Research estimates and company reports

BofA GLOBAL RESEARCH

Exhibit 78: STB quarter to date data vs BofAe labor estimates Data as of December 2023

	2023 4Q Avg#	4Q Avg. chg. %	BofAe	Diff	4Q Vols
UNP	33,020	0.2%	1.5%	-1.3%	1.8%
CSX	19,216	6.0%	3.3%	2.7%	0.1%
NSC	20,759	7.1%	7.0%	0.1%	2.6%
CN	6,561	3.2%	4.6%	-1.4%	-3.8%
CP	2,912	1.1%	1.0%	0.1%	0.2%
KSU	2,927	-0.6%	-	-	-
BNSF	36,968	2.2%	-	-	-
Total	122,364	3.0%	-	-	-

Note: Monthly average quarter-to-date; 4Q Volumes are estimates

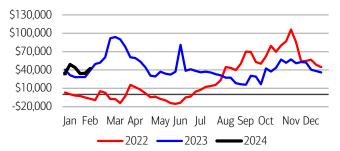
Source: STB, BofA Global Research estimates



Weekly Shipping Rates

Exhibit 79: VLCC Spot Rates

VLCC Spot Rates at \$42,546 as of 02/09/2024

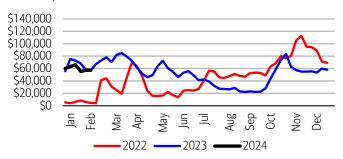


Source: BofA Global Research and Clarksons

BofA GLOBAL RESEARCH

Exhibit 81: Suezmax Spot Rates

Suezmax Spot Rates at \$57,292 as of 02/09/2024

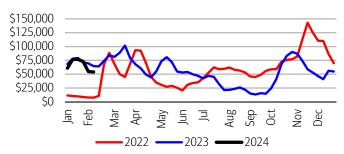


Source: BofA Global Research and Clarksons

BofA GLOBAL RESEARCH

Exhibit 83: Aframax Spot Rates

Aframax Spot Rates \$53,782 as of 02/09/2024

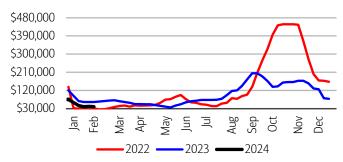


Source: BofA Global Research and Clarksons

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Exhibit 85: LNG TFDE Spot Rates

LNG TFDE Spot Rates at \$40,000 as of 02/09/2024

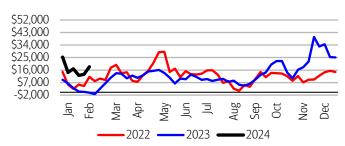


Source: BofA Global Research and Clarksons

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Exhibit 80: Capesize spot Rates

Capesize Spot rates at \$18,393 as of 02/09/2024



Source: BofA Global Research and Clarksons

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Exhibit 82: Panamax Spot Rates

Panamax Spot Rates at \$11,849 as of 02/09/2024

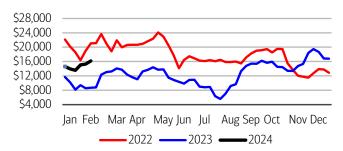


Source: BofA Global Research and Clarksons

BofA GLOBAL RESEARCH

Exhibit 84: Supramax Spot Rates

Supramax Spot Rates at \$16,187 as of 02/09/2024



Source: BofA Global Research and Clarksons

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Exhibit 86: Yearly and Quarterly Gas Carrier Rate Data

LNG Carrier Rate is down 1QTD and YTD

	1QTD	2024 YTD	Orderbook
Gas Carrier	Average	Avg.	% of Fleet
LNG TFDE	\$50,167	\$50,167	76%
% chg. Y-Y	-30%	-48%	

Source: Clarkson

Exhibit 87: Yearly and Quarterly Tanker Rate Data

Tanker Rates are down 1QTD, but mixed YTD

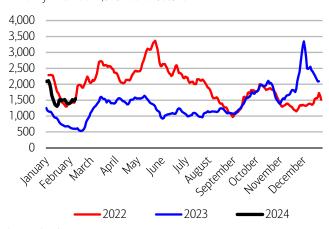
	1QTD	2024 YTD	Orderbook
Tanker	Average	Avg.	% of Fleet
VLCC	\$39,725	\$39,725	2%
% chg. Y-Y	-27%	-8%	
Suezmax	\$59,871	\$59,871	5%
% chg. Y-Y	-16%	12%	
Aframax	\$66,028	\$66,028	11%
% chg. Y-Y	-14%	19%	

Source: Clarkson

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Exhibit 89: Baltic Dry Index

Baltic Dry Index is at 1,545 as of 02/09/2024



Source: Bloomberg

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Exhibit 88: Yearly and Quarterly Dry Bulk Rate Data

Dry Bulk Rates are up 1QTD, while mixed YTD

	1QTD	2024 YTD	Orderbook
Dry Bulk	Average	Avg.	% of Fleet
Capesize	\$16,671	\$16,671	5%
% chg. Y-Y	191%	34%	
Panamax	\$12,019	\$12,019	9%
% chg. Y-Y	20%	0%	
Supramax	\$14,777	\$14,777	8%
% chg. Y-Y	33%	19%	

Source: Clarkson

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Exhibit 90: Shipping Rates

Shipping Rates are mixed year-over-year

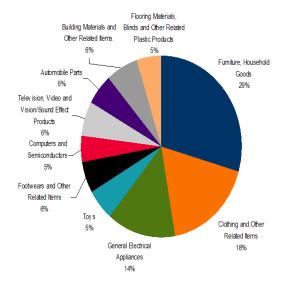
	Current Wk 02/09/24	Prior Wk 02/02/24	YOY Wk 02/10/23	Seq % Change	YOY % Change
Vessel Type					
VLCC	\$42,546	\$34,344	\$39,191	23.9%	8.6%
Suezmax	\$57,292	\$57,083	\$57,430	0.4%	-0.2%
Aframax	\$53,782	\$54,920	\$64,700	-2.1%	-16.9%
LNG TFDE	\$40,000	\$41,000	\$62,500	-2.4%	-36.0%
Baltic Dry Index	1,545	1,407	602	9.8%	156.6%

Source: Bloomberg and Clarkson

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Exhibit 91: Container Breakdown by Commodity

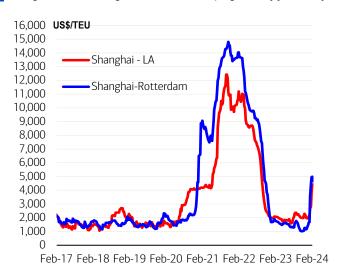
Furniture, Household & Goods represents almost 30%



Source: OOCL, BofA Global Research estimates

Exhibit 92: Container Rates – Shanghai Containerized Freight Index (SCFI)

Shanghai – LA and Shanghai – Rotterdam are up significantly year-over-year



Source: Chinese Shipping, and BofA Global Research



Exhibit 93: Railroads Comp Sheet

Data as of 02/14/2024

									EP:	>										
			Share	Shares	Mkt Cap	Net Debt	: EV	BofA	BofA	BofA	Cons.	Fe	orward F	P/E	EB	ITDA (\$	bil)	Forwa	ard EV/E	BITDA
		QRQ		Out.																
Company	Ticker		Price	(mil.)	(\$ bil.)	(\$ bil.)	(\$ bil.)	2022a	2023e	2024e	2024e	2022a	2023e	2024e	2022a	2023e	2024e	2022a	2023e	2024e
Canadian Nationa	al CNI	B-2-7	\$128.86	641	\$82.6	\$13.4	\$96.0	\$5.75	\$5.43	\$5.94	\$5.96	22.4x	23.7x	21.7x	\$6.61	\$6.27	\$6.76	14.5x	15.3x	14.2x
Canadian Pacific	CP	B-1-7	\$84.73	932	\$79.0	\$16.9	\$95.9	\$2.89	\$2.86	\$3.20	\$3.20	29.3x	29.6x	26.5x	\$4.92	\$5.03	\$5.50	19.5x	19.1x	17.4x
CSX Corporation	CSX	B-1-7	\$37.00	1,959	\$72.5	\$17.1	\$89.6	\$1.91	\$1.84	\$2.00	\$1.98	19.4x	20.1x	18.5x	\$7.42	\$7.13	\$7.43	12.1x	12.6x	12.1x
Norfolk Southern	NSC	B-1-7	\$252.26	226	\$57.0	\$15.6	\$72.6	\$13.60	\$11.75	\$12.10	\$12.00	18.5x	21.5x	20.8x	\$6.12	\$5.27	\$5.58	11.9x	13.8x	13.0x
Union Pacific	UNP	B-1-7	\$250.11	610	\$152.5	\$31.5	\$184.0	\$11.23	\$10.29	\$11.15	\$11.18	22.3x	24.3x	22.4x	\$12.26	\$11.47	\$12.23	15.0x	16.0x	15.0x
												22.4x	23.9x	22.0x				14.6x	15.4x	14.4x

	2024	IQ1EPS						Reve	nue	2023Q4	Net	DOLC							
	6	est.	Δ to		EPS Grov	<i>r</i> th	YoY	Grov	wth	Op.	Debt/	ROIC	Total R	eturn (v	v/reinve	ted divi	idends)	Divid	dend
Company	BofA	Cons.	Street	1yr	3yr	5yr	1Q2024	1yr	5yr	Ratio	EBITDA	1yr	1 week	YTD	1yr	3yr	5yr	Annual	Yield
Canadian National	\$1.20	\$1.27	-6%	-3%	20%	19%	-2%	-2%	4%	59%	2.2x	10.4%	0%	3%	10%	7%	11%	\$3.38	1.9%
Canadian Pacific	\$0.69	\$0.70	-1%	-5%	6%	15%	-5%	4%	17%	58%	3.5x	5.6%	-1%	7%	7%	6%	17%	\$0.76	0.7%
CSX Corporation	\$0.46	\$0.45	2%	-1%	110%	44%	-1%	-1%	4%	64%	2.4x	10.8%	0%	7%	19%	9%	11%	\$0.48	1.3%
Norfolk Southern	\$2.55	\$2.60	-2%	-43%	9%	0%	-5%	-5%	2%	69%	3.9x	8.4%	1%	7%	10%	2%	9%	\$5.40	2.1%
Union Pacific	\$2.45	\$2.51	-3%	-7%	11%	6%	-3%	-3%	2%	61%	2.9x	11.4%	0%	2%	26%	8%	10%	\$5.20	2.1%
										62%	3.0x	9.3%	0%	5%	14%	6%	12%		

Source: BofA Global Research estimates, Company reports, Bloomberg (for stocks not covered by BofA Global Research)

BofA GLOBAL RESEARCH

Exhibit 94: Intermodal/Container Lessors Comp Sheet

Data as of 02/14/2024

									EP	S										
		QRQ	Share	Shares Out.	Mkt Cap	Net Debt	EV	BofA	BofA	BofA	Cons	F	orward P	/E	El	BITDA (\$	bil)	Forwa	ard EV/EI	BITDA
Company	Ticker		Price	(mil.)	(\$ bil.)	(\$ bil.)	(\$ bil.)	2022a	2023e	2024e	2024e	2022a	2023e	2024e	2022a	2023e	2024e	2022a	2023e	2024e
J.B. Hunt Transp.	JBHT	B-1-7	\$217.56	103	\$22.4	\$1.5	\$24.0	\$9.79	\$7.20	\$8.15	\$7.80	22.2x	30.2x	26.7x	\$2.06	\$1.78	\$1.99	11.6x	13.4x	12.1x
Textainer Group	TGH	n/a	\$49.74	41	\$2.1	\$4.7	\$6.8	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Hub Group Inc	HUBG	n/a	\$44.71	62	\$2.8	\$0.4	\$3.2	n/a	\$2.68	n/a	\$2.22	8.5x	16.7x	20.1x	\$0.62	\$0.40	\$0.40	5.1x	8.0x	8.0x
												12.9x	19.3x	19.0x	='			8.6x	10.6x	10.1x
		2024Q1EPS est	Λto	FPS Gro	wth	YoY	Revenue Growth	2023Q4 On.	Net Debt/		ROIC		Total	Return (w/reinve	sted div	idends)		Divid	dend

е	st.	Δ to	E	EPS Grov	vth	YoY	Grov	vth	Op.	Debt/	KUIC	Total R	Return (1	w/reinve	sted divi	idends)	Divid	lend
BofA	Cons.	Street	1yr	3yr	5yr	1Q2024	1yr	5yr	Ratio	EBITDA	1yr	1 week	YTD	1yr	3yr	5yr	Annual	Yield
\$1.59	\$1.61	-1%	-23%	18%	19%	-13%	-13%	8%	92%	0.9x	12.9%	2%	9%	13%	15%	15%	\$1.72	0.8%
n/a	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	\$0.41		-49%	63%	30%	-21%	-21%	1%	97%	1.0x	7.4%	2%	-3%	-8%	17%	15%		
									83%	3.0x	8.4%	1%	2%	22%	21%	21%		
	BofA \$1.59 n/a	\$1.59 \$1.61 n/a n/a	BofA Cons. Street \$1.59 \$1.61 -1% n/a n/a	BofA Cons. Street 1yr \$1.59 \$1.61 -1% -23% n/a n/a n/a	BofA Cons. Street 1yr 3yr \$1.59 \$1.61 -1% -23% 18% n/a n/a n/a n/a	BofA Cons. Street 1yr 3yr 5yr \$1.59 \$1.61 -1% -23% 18% 19% n/a n/a n/a n/a	BofA Cons. Street 1yr 3yr 5yr 1Q2024 \$1.59 \$1.61 -1% -23% 18% 19% -13% n/a n/a n/a n/a n/a	BofA Cons. Street 1yr 3yr 5yr 1Q2024 1yr \$1.59 \$1.61 -1% -23% 18% 19% -13% -13% n/a n/a n/a n/a n/a n/a	BofA Cons. Street 1yr 3yr 5yr 1Q2024 1yr 5yr \$1.59 \$1.61 -1% -23% 18% 19% -13% -13% 8% n/a n/a n/a n/a n/a n/a n/a n/a	BofA Cons. Street 1yr 3yr 5yr 1Q2024 1yr 5yr Ratio \$1.59 \$1.61 -1% -23% 18% 19% -13% -13% 8% 92% n/a n/a n/a n/a n/a n/a n/a n/a n/a \$0.41 -49% 63% 30% -21% -21% 1% 97%	BofA Cons. Street lyr 3yr 5yr 1Q2024 lyr 5yr Ratio EBITDA \$1.59 \$1.61 -1% -23% 18% 19% -13% -13% 8% 92% 0.9x n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a \$0.41 -49% 63% 30% -21% -21% 1% 97% 1.0x	BofA Cons. Street lyr 3yr 5yr 1Q2024 lyr 5yr Ratio EBITDA lyr \$1.59 \$1.61 -1% -23% 18% 19% -13% 8% 92% 0.9x 12.9% n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a \$0.41 -49% 63% 30% -21% -21% 1% 97% 1.0x 7.4%	BofA Cons. Street 1yr 3yr 5yr 1Q2024 1yr 5yr Ratio EBITDA 1yr 1week \$1.59 \$1.61 -1% -23% 18% 19% -13% -13% 8% 92% 0.9x 12.9% 2% n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a \$0.41 -49% 63% 30% -21% -21% 1% 97% 1.0x 7.4% 2%	BofA Cons. Street 1yr 3yr 5yr 1Q2024 1yr 5yr Ratio EBITDA 1yr 1week YTD \$1.59 \$1.61 -1% -23% 18% 19% -13% -13% 8% 92% 0.9x 12.9% 2% 9% n/a -21% -21% 1% 97% 1.0x 7.4% 2% -3%	est. Δ to EPS Growth YoY Growth Op. Debt/ Total Return (w/reinverser) Wereinverser BofA Cons. Street 1yr 3yr 5yr 1Q2024 1yr 5yr Ratio EBITDA 1yr 1 week YTD 1yr \$1.59 \$1.61 -1% -23% 18% 19% -13% 8% 92% 0.9x 12.9% 2% 9% 13% n/a -8% a y 50.41 -49% 63% 30% -21% 1% 97% 1.0x 7.4% 2% -3% -8%	est. Δ to EPS Growth YoY Growth Op. Debt/ Total Return (w/reinvested dividence) BofA Cons. Street 1yr 3yr 5yr 1Q2024 1yr Syr Ratio EBITDA 1yr 1 week YTD 1yr 3yr \$1.59 \$1.61 -1% -23% 18% 19% -13% 8% 92% 0.9x 12.9% 2% 9% 13% 15% n/a n/a<	est. Δ to EPS Growth YoY Growth Op. Debt/ Total Return (w/reinvested dividends) BofA Cons. Street 1yr 3yr 5yr IQ2024 1yr 5yr Ratio EBITDA 1yr 1 week YTO 1yr 3yr 5yr \$1.59 \$1.61 -1% -23% 18% 19% -13% 8% 92% 0.9x 12.9% 2% 9% 13% 15% 15% n/a n/a<	est. Δ to EPS Growth YoY Growth Op. Debt/ Total Return (w/reinvested dividends) Dividended by the property BofA Cons. Street 1yr 3yr 5yr 1Q2024 1yr 5yr Ratio EBITDA 1yr 1 week YTO 1yr 3yr 5yr Annual \$1.59 \$1.61 -1% -23% 18% 19% -13% 8% 92% 0.9x 12.9% 2% 9% 13% 15% 15% \$1.72 n/a <

Source: BofA Global Research estimates, Company reports, Bloomberg (for stocks not covered by BofA Global Research)

BofA GLOBAL RESEARCH

Exhibit 95: Less-than-Truckload (LTL) Comp Sheet

Data as of 02/14/2024

									EP:	S									
		QRQ	Share	Shares Out.	Mkt Cap	Net Deb	t EV	BofA	BofA	BofA Cor	15.	Forward	P/E	EB	SITDA (\$	bil)	Forw	ard EV/E	BITDA
Company	Ticker		Price	(mil.)	(\$ bil.)	(\$ bil.)	(\$ bil.)	2022a	2023e	2024e 202	4e 2022a	2023e	2024e	2022a	2023e	2024e	2022a	2023e	2024e
Arcbest Corp	ARCB	C-3-7	\$141.72	24	\$3.4	\$0.0	\$3.3	\$13.63	\$7.88	\$10.85 \$10	.32 10.4x	18.0x	13.1x	\$0.58	\$0.37	\$0.47	5.7x	9.0x	7.0x
Old Dominion	ODFL	B-1-7	\$431.13	109	\$47.0	(\$0.4)	\$46.7	\$12.18	\$11.26	\$12.65 \$12	.94 35.4x	38.3x	34.1x	\$2.10	\$1.97	\$2.17	22.2x	23.8x	21.6x
Saia Inc	SAIA	B-1-9	\$562.47	27	\$14.9	(\$0.2)	\$14.8	\$13.40	\$13.27	\$16.20 \$16	.20 42.0x	42.4x	34.7x	\$0.63	\$0.64	\$0.78	23.5x	23.1x	18.8x
TFI Int'l	TFII	B-2-7	\$144.96	84	\$12.2	\$1.9	\$14.1	\$1.74	\$1.71	\$2.20 \$7.	49 83.2x	84.8x	65.9x	\$1.14	\$0.91	\$1.09	12.4x	15.5x	13.0x
XPO, Inc.	XPO	C-1-9	\$120.28	116	\$14.0	\$3.7	\$17.7	\$3.53	\$2.93	\$3.65 \$3.	47 34.1x	41.1x	33.0x	\$0.66	\$0.66	\$0.87	26.7x	26.7x	20.3x
											41 Ov	44 Qv	36.1v	_			18.1v	19.6v	16.1v

	2024Q1EPS						Rev	enue	2023Q	4	DOLC							
	est.	Δto	E	PS Grov	vth	YoY	Gro	wth	Op.	Net Debt/	ROIC	Total R	eturn (v	v/reinves	ted divi	dends)	Divid	lend
Company	BofA Cons.	Street	1yr	3yr	5yr	1Q2024	1yr	5yr	Ratio	EBITDA	1yr	1 week	YTD	1yr	3yr	5yr	Annual	Yield
Arcbest Corp	\$1.91 \$1.58	21%	-42%	70%	n/a	-17%	-15%	9%	93%	0.3x	10.5%	1%	18%	40%	36%	30%	\$0.48	0.3%
Old Dominion	\$2.74 \$2.72	1%	-8%	29%	20%	-6%	-6%	8%	72%	-0.2x	28.7%	0%	6%	21%	27%	35%	\$2.08	0.5%
Saia Inc	\$3.39 \$3.40	0%	-1%	40%	35%	3%	3%	13%	85%	-0.2x	18.3%	5%	28%	102%	40%	52%		
TFI Int'l	\$1.57 \$1.47	6%	-19%	47%	130%	-15%	-15%	20%	90%	1.6x	12.8%	3%	7%	15%	25%		\$1.60	1.1%
XPO, Inc.	\$0.71 \$0.67	7%	-7%	89%	n/a	0%	0%	-10%	92%	4.3x	9.6%	3%	37%	218%	42%	42%		
									86%	1 1 v	16.0%	2%	19%	79%	34%	40%		

Source: BofA Global Research estimates, Company reports, Bloomberg (for stocks not covered by BofA Research)



Exhibit 96: Airfreight Comp Sheet

Data as of 02/14/2024

									E	' S										
		000	Share	Share Out.	Mkt Cap	Net Deb	t EV	BofA	BofA	BofA	Cons.	F	orward P	/E	EB	ITDA (\$ b	il)	Forwar	rd EV/EBI	ITDA
Company	Ticker	QRQ	Price	(mil.)	(\$ bil.)	(\$ bil.)	(\$ bil.)	2022a	2023e	2024e	2024e	2022a	2023e	2024e	2022a	2023e	2024e	2022a	2023e	2024e
Fedex Corp	FDX	B-1-7	\$236.83	250	\$59.2	\$13.8	\$73.0	\$14.96	\$17.70	\$20.85	\$17.63	15.8x	13.4x	11.4x	\$9.55	\$11.60	\$11.60	7.6x	7.0x	6.3x
United Parcel-B	UPS	B-2-7	\$144.22	723	\$122.9	\$19.1	\$141.9	\$12.95	\$8.78	\$8.40	\$8.28	11.1x	16.4x	17.2x	\$16.97	\$12.88	\$12.88	8.4x	10.9x	11.0x
												13.5x	14.9x	14.3x				8.0x	8.9x	8.7x

	est.	Δto	Е	PS Grov	vth	YoY	Gro		2023Q ² Op.	+ Net Debt/	ROIC	Total	Return (w/reinves	ted divide	ends)	Dividend
Company	BofA Cons.	Street	1yr	3yr	5yr	1Q2024	1yr	5yr	Ratio	EBITDA	1yr	1 week	YTD `	1yr	3yr	5yr	Annual Yield
Fedex Corp	\$3.13 \$3.58	-13%	-7%	94%	11%	-4%	-7%	5%	94%	3.3x	5.6%	-2%	-6%	14%	-2%	7%	\$5.04 2.1%
UPS .	\$1.61 \$1.58	2%	-35%	267%	n/a	-9%	-9%	5%	89%	1.6x	14.4%	-2%	-8%	-20%	-1%	9%	\$6.52 4.5%
									0106	2 /lv	10.0%	-206	-706	-30%	-106	80%	

Source: BofA Global Research estimates, Company reports, Bloomberg.

Note: FedEx fiscal calendar ends May 31. Fiscal year 2024 goes from June 1, 2023 - to - May 31, 2024. Quarter estimates correspond to 3Q24, and year metrics correspond to fiscal years 2023, 2024, and 2025.

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Exhibit 97: Truckload Carriers Comp Sheet

Data as of 02/14/2024

									EP:	•										
		QRQ	Share	Shares Out.	Mkt Cap	Net Debt	EV	BofA	BofA	BofA	Cons.	F	orward P	/E	EBIT	TDA (\$	bil)	Forwa	ard EV/E	BITDA
Company 1	Ticker		Price	(mil.)	(\$ bil.)	(\$ bil.)	(\$ bil.)	2022a	2023e	2024e	2024e	2022a	2023e	2024e	2022a	2023e	2024e	2022a	2023e	2024e
Knight Transportation K	(NX	B-1-7	\$59.11	161	\$9.5	\$2.8	\$12.4	\$5.10	\$1.72	\$2.50	\$2.49	11.6x	34.4x	23.6x	\$1.77	\$1.10	\$1.39	7.0x	11.2x	8.9x
Schneider National S	SNDR	B-2-7	\$24.19	93	\$4.3	\$0.3	\$4.5	\$2.63	\$1.36	\$1.10	\$1.16	9.2x	17.8x	22.0x	\$0.97	\$0.68	\$0.67	4.7x	6.6x	6.7x
Werner Enterprises V	WERN	B-3-7	\$41.29	63	\$2.6	\$0.6	\$3.2	\$3.71	\$1.93	\$2.10	\$1.98	11.1x	21.4x	19.7x	\$0.61	\$0.48	\$0.50	5.3x	6.7x	6.4x
Covenant Transport C	VLG	n/a	\$53.35	11	\$0.7	\$0.2	\$0.9	n/a	n/a	n/a	\$4.27	9.0x	12.9x	12.5x	\$0.15	\$0.12	\$0.12	6.2x	7.6x	7.6x
Heartland Express F	HTLD	n/a	\$12.81	79	\$1.0	\$0.3	\$1.3	n/a	n/a	n/a	\$0.05	9.1x	328.5x	251.2x	\$0.25	\$0.23	\$0.23	5.1x	5.8x	5.8x
Marten Transport N	MRTN	n/a	\$19.49	81	\$1.6	(\$0.1)	\$1.5	n/a	n/a	n/a	\$0.86	14.7x	21.8x	22.7x	\$0.25	\$0.21	\$0.21	6.1x	7.3x	7.3x
Pam Transport P	PTSI	n/a	\$18.55	22	\$0.4	\$0.1	\$0.5	n/a	n/a	n/a	\$1.10	4.3x	12.7x	16.9x	\$0.20	\$0.11	\$0.11	2.7x	4.7x	4.7x
Universal Logistics L	JLH	n/a	\$31.96	26	\$0.8	\$0.5	\$1.3	n/a	n/a	n/a	n/a	5.0x			\$0.32			4.0x		
-												9.2x	64.2x	52.6x	_			5.1x	7.1x	6.8x
	7	002401ED	2				Dovonuo	202204					Tot	al Dotuv	· /w/roi	nuocto	A.			

FDC

	2024	Q1EPS						Reve	enue	2023Q4	1	DOLC	Tota	al Returi	n (w/rei	investe	d		
	е	st.	Δ to	E	PS Grov	wth	YoY	Gro	wth	Op.	Net Debt/	ROIC		div	idends)			Divid	end
Company	BofA	Cons.	Street	1yr	3yr	5yr	1Q2024	1yr	5yr	Ratio	EBITDA	1yr	1 week	YTD	1yr	3yr	5yr	Annual	Yield
Knight Transportation	\$0.39	\$0.38	2%	-66%	7%		-4%	-4%	8%	98%	2.2x	3.4%	-2%	3%	-2%	12%	13%	\$0.64	1.1%
Schneider National	\$0.19	\$0.17	12%	-50%	19%	-3%	-17%	-17%	2%	98%	0.3x	6.8%	0%	-5%	-16%	4%	4%	\$0.38	1.6%
Werner Enterprises	\$0.26	\$0.31	-16%	-52%	0%	-6%	0%	0%	5%	95%	1.2x	5.3%	-2%	-3%	-11%	0%	7%	\$0.56	1.4%
Covenant Transport	n/a	\$0.78		-44%			-9%	-9%	1%	95%	0.0x	15.6%	4%	16%	63%	44%	18%	\$0.44	0.8%
Heartland Express	n/a	(\$0.09)	1	-84%	-2%	-16%	25%	25%	24%	96%	1.2x	2.2%	-1%	-10%	-21%	-11%	-9%	\$0.08	0.6%
Marten Transport	n/a	\$0.16		-40%	6%	0%	-10%	-10%	7%	94%	-0.3x	8.4%	0%	-7%	-12%	7%	12%	\$0.24	1.2%
Pam Transport	n/a	\$0.10		-74%	92%	37%	-14%	-14%	8%	100%	1.2x	3.1%	1%	-11%	-34%	7%	8%		
Universal Logistics	n/a	n/a		-32%	73%		15%	-15%	3%	91%	1.6x	18.6%	6%	14%	5%	11%	9%	\$0.42	1.3%
										96%	0.9x	7.9%	1%	0%	-4%	9%	8%		

 $\textbf{Source:} \ BofA\ Global\ Research\ estimates, Company\ reports, Bloomberg\ (for\ stocks\ not\ covered\ by\ BofA\ Global\ Research).$

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Exhibit 98: Freight Forwarding Comp Sheet

Data as of 02/14/2024

									EP	S										
		QRQ	Share	Shares Out.	Mkt Cap	Net Deb	t EV	BofA	BofA	BofA	Cons.	F	orward	P/E	EBI	TDA (\$	bil)	Forw	ard EV/EE	SITDA
Company	Ticker		Price	(mil.)	(\$ bil.)	(\$ bil.)	(\$ bil.)	2022a	2023e	2024e	2024e	2022a	2023e	2024e	2022a	2023e	2024e	2022a	2023e	2024e
CH Robinson	CHRW	B-3-7	\$73.84	117	\$8.6	\$1.4	\$10.0	\$6.29	\$7.50	\$3.22	\$3.24	9.8x	22.9x	26.4x	\$1.38	\$0.7	\$0.59	7.3x	15.4x	17.0x
RXO Inc	RXO	C-2-9	\$21.83	117	\$2.6	\$0.4	\$2.9	\$1.43	\$1.59	\$0.30	\$0.23	13.7x	72.8x	218.3x	\$0.31	\$0.1	\$0.11	9.5x	21.6x	26.0x
World Kinect	WKC	B-3-7	\$23.66	60	\$1.4	\$0.4	\$1.8	\$1.36	\$2.04	\$1.85	\$2.31	11.6x	12.8x	11.3x	\$0.38	\$0.4	\$0.40	4.7x	4.8x	4.5x
Landstar System	LSTR	n/a	\$194.39	36	\$7.0	(\$0.4)	\$6.6	n/a	n/a	\$11.76	\$6.64	16.5x	26.4x	29.3x	\$0.63	\$0.4	\$0.40	10.5x	16.3x	16.3x
Expeditors Intl	EXPD	n/a	\$125.74	145	\$18.3	(\$1.1)	\$17.2	n/a	n/a	\$8.83	\$4.88	14.2x	24.5x	25.8x	\$1.98	\$1.0	\$1.03	8.7x	16.7x	16.7x
Forward Air Corp	FWRD	n/a	\$41.15	26	\$1.1	\$0.3	\$1.3	n/a	n/a	\$14.24	\$4.29	2.9x			\$0.32	\$0.2	\$0.22	4.1x	6.1x	6.1x
												11.5x	31.9x	62.2x	_		•	7.5x	13.5x	14.4x

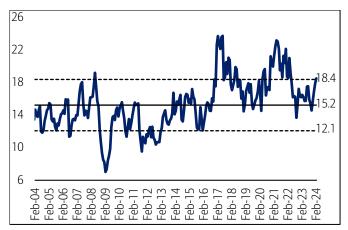
	2024Q1EPS						Kev	enue	2023Q4	4	DOLC							
	est.	Δ to	E	PS Grov	vth	YoY	Gro	wth	Op.	Net Debt/	ROIC	Total Re	turn (w	/reinves	sted div	idends)	Divid	lend
Company	BofA Cons.	Street	1yr	3yr	5yr	1Q2024	1yr	5yr	Ratio	EBITDA	1yr	1 week	YTD	1yr	3yr	5yr	Annual	Yield
CH Robinson	\$0.55 \$0.65	-16%	-61%	8%	-11%	-29%	-29%	3%	98%	2.6x	12.8%	0%	-15%	-28%	-5%	-2%	\$2.44	3.3%
RXO Inc	(\$0.04) (\$0.02)	111%				-18%			98%		5.4%	-3%	-6%					
World Kinect	\$0.35 \$0.46	-24%	12%	-4%	24%	88%	-10%	18%	99%	1.4x	6.0%	0%	4%	-18%	-9%	1%	\$0.56	2.4%
Landstar System	n/a \$1.30		-38%	27%	7%	-29%	-29%	5%	94%	-1.0x	23.2%	2%	2%	7%	10%	15%	\$1.32	0.7%
Expeditors Intl	n/a \$1.16		-45%	41%	15%	3%	-45%	10%	90%	-1.0x	35.1%	-1%	-1%	13%	10%	13%	\$1.38	1.1%
Forward Air Corp	n/a \$0.78		-32%	124%	13%	19%	-12%	6%	96%	0.9x	19.7%	-7%	-35%	-60%	-21%	-8%	\$0.96	2.3%
•									96%	0.6x	17.0%	-1%	-8%	-17%	-3%	4%		

Source: BofA Global Research estimates, Company reports, Bloomberg (for stocks not covered by BofA Research)



Exhibit 99: CSX forward P/E

CSX Forward P/E is 18.5x

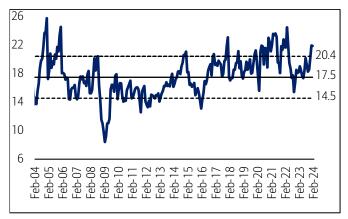


Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 101: UNP forward P/E

UNP Forward P/E is 22.4x

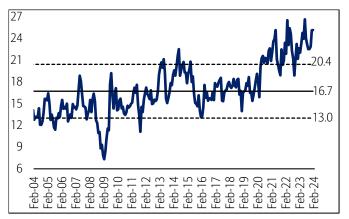


Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 103: CP forward P/E

CP Forward P/E is 26.5x

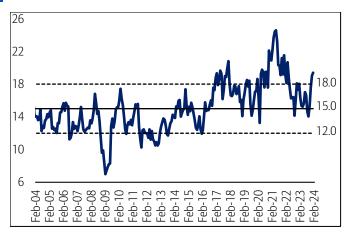


Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 100: NSC forward P/E

NSC Forward P/E is 20.8x

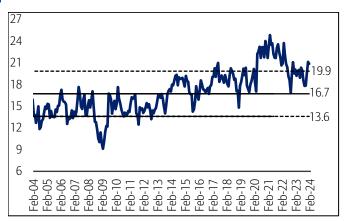


Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 102: CNI forward P/E

CNI Forward P/E is 21.7x

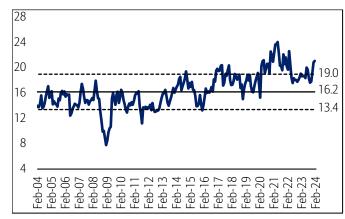


Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 104: Rails Average forward P/E

Rails Average Forward P/E is 22.0x



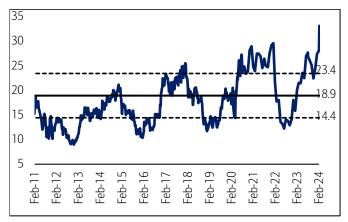
Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 105: SAIA forward P/E

SAIA Forward P/E is 34.7x



Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 107: CHRW forward P/E

CHRW Forward P/E is 26.4x

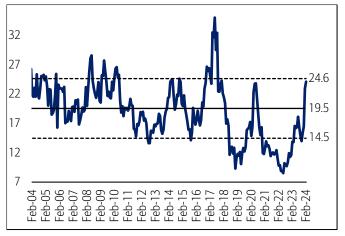


Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

RofA GLOBAL RESEARCH

Exhibit 109: KNX forward P/E

KNX Forward P/E is 23.6x

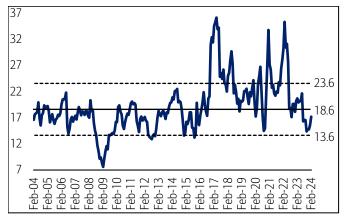


Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 106: KEX forward P/E

KEX Forward P/E is 17.3x

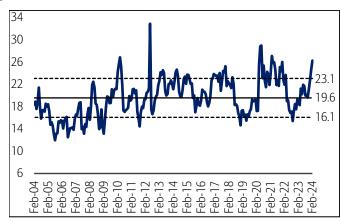


Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 108: JBHT forward P/E

JBHT Forward P/E is 26.7x

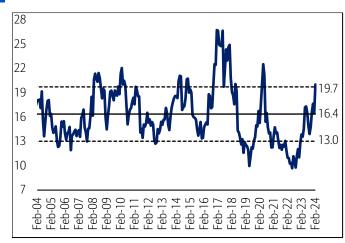


Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 110: WERN forward P/E

WERN Forward P/E is 19.7x



Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 111: TFII forward P/E

TFII Forward P/E is 18.8x



Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 113: ODFL forward P/E

ODFL Forward P/E is 34.1x

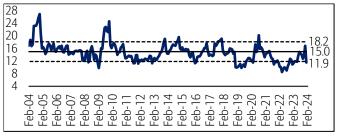


Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 115: FDX forward P/E

FDX Forward P/E is 11.4x

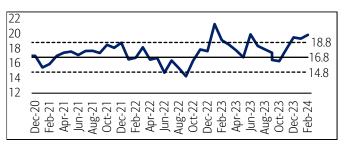


Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 117: WAB forward P/E

WAB Forward P/E is 19.9x



Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 112: SNDR forward P/E

SNDR Forward P/E is 22.0x

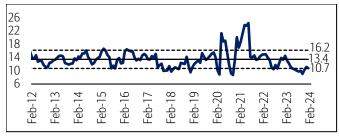


Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

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Exhibit 114: WKC forward P/E

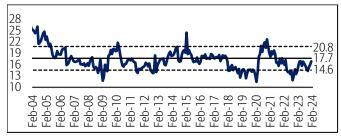
WKC Forward P/E is 11.3x



Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset
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Exhibit 116: UPS forward P/E

UPS Forward P/E is 17.2x

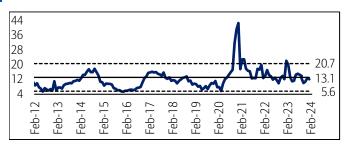


Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

RofA GLOBAL RESEARCH

Exhibit 118: GBX forward P/E

GBX Forward P/E is 12.9x



Source: BofA Global Research estimates, company reports, Bloomberg, Reuters, First Call, Factset.

BofA GLOBAL RESEARCH

Exhibit 119: Stock MentionedStock prices and ratings mentioned in this report

BofA Ticker	Bloomberg ticker	Company name	Price	Rating
RXO	RXO US	RXO, Inc.	US\$ 21.83	C-2-9
STNG	STNG US	Scorpio Tankers	US\$ 66.26	C-2-7
TFII	TFII US	TFI International	US\$ 144.96	B-2-7
YTFII	TFII CN	TFI International	C\$ 196.35	B-2-7
WAB	WAB US	Wabtec	US\$ 135.09	B-1-7

Source: BofA Global Research



Price objective basis & risk

RXO, Inc. (RXO)

Our \$22 price objective is based on a 15.5x 2025E EV/EBITDA multiple. We hold a balanced view on shares as we remain positive on its ability to win share over its truck brokerage peers yet see risks to margins into a cycle upturn as cost of capacity moves higher.

Upside risks to our target includes a faster than expected inflection in the truck freight cycle, which may drive a rapid influx of spot-related project volumes for RXO. Increased shipper freight demand, which may lead upside to rates, as well as better-than-expected execution on cost reduction may result in higher than expected margins.

Downside risks to our price objective are weaker than expected economic conditions resulting in more spot and less contract revenues, which could compress gross profit margins, it relies on third-party carriers to deliver customers freight (exposing it to service parameters it does not control, higher carrier prices which could decrease op income), fuel price volatility could impact results, unusual weather could impact operations (freight volumes), carriers status as independent contractors or labor disputes among its carrier base, risk to IT systems being compromised by cyberattacks, court decisions on insurance accident exposure from a 3rd party performance, ability to retain qualified employees, and cost initiatives may not prove fruitful (its target to eliminate some overhead costs).

Scorpio Tankers Inc. (STNG)

Our \$72 price objective is based on an 5.0x EV/EBITDA multiple on our 2024 EBITDA estimate. Our valuation multiple is at the bottom of its 5x-8x historical trading range given we are at historically high product tanker rates, as impacts of Red Sea disruptions, Russia export sanctions, and refinery dislocations lengthen charter voyage thus increasing ton-mile demand in a tight vessel supply backdrop. However, the rising product tanker orderbook-to-fleet ratio suggests increasing newbuild orders, indicating potential capacity headwinds ahead.

Upside risks to our PO are volatile charter rates, better-than-expected spot product tanker rates in 2024-25, lower-than-expected vessel deliveries in 2024-25, a spike in global oil demand, and higher-than-expected levels of scrapping in the market.

Downside risks to our PO are drop off in mobility (return of lockdowns, war disruptions, which have shown to increase ton mile demand), liquidity risk given rolling debt through 2024 versus cash generation (which depends on day rates rising above the daily fixed cost base), a weaker-than-expected rate environment, overcapacity due to greater-than-expected vessel deliveries and lower-than-expected scrapping rates, and weaker global demand for refined products.

TFI International (TFII / YTFII)

Our US\$154 price objective (C\$207) is based on 20x our 2024 US\$ EPS estimate, above the top of its 10-year one-standard deviation trading range of 11x-17x, as the company is executing on post-merger gains, transforming its North American LTL operations (post the acquisition of UPS Freight for \$800 million), countered with a decelerating economic backdrop. Our target multiple is in the middle of where LTL peers (10x-30x) and US Parcel peers (10x-16x) are trending toward.

Downside risks to our price objective are weaker-than-expected economic conditions resulting in a turnover in demand, an inability for the company to raise trucking rates to offset rising costs (driver pay, insurance, depreciation, and fuel), intensifying competition in brokerage and logistics and acquisition selection and integration risk.



Upside risks to our price objective are better-than-expected pricing, more accelerated M&A moves to drive inorganic growth, or higher-than-expected share repurchases.

Wabtec Corp. (WAB)

Our \$150 PO is based on an 22.1x target P/E multiple on our 2024e EPS, above its 9-year historical 15x-21x range on forward earnings (which was normalized, and historically on cash EPS, though before its Feb 2019 GE-T acquisition would have been fairly similar) as we assign a premium to its target multiple given increased confidence on its actualization of backlog and International sale growth.

Downside risks to our PO are a quicker decline in rail volumes/economic activity, delayed replacement capex from the railroads, shrinking government budgets for Transit projects or increasing austerity measures, increased warranty claims on its equipment, and improved parts that delays replacement of equipment.

Upside risks to our PO are larger than expected synergy gains from its GE-T merger, a rapid rebound in rail carloadings, and accelerated rail capex spend on technology and upgrade investments from positive train control. Additionally, increased government expenditures for eco-friendly rail projects could provide upside potential.

Analyst Certification

I, Ken Hoexter, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.



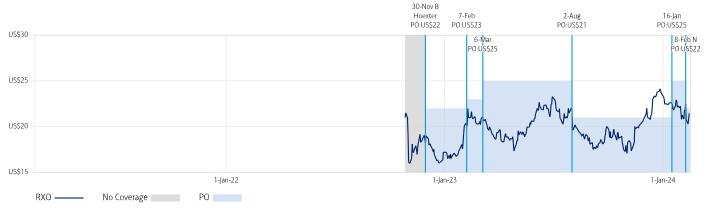
US - Transportation Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY				
	Canadian Pacific Kansas City Ltd	CP	CP US	Ken Hoexter
	CSX Corporation	CSX	CSX US	Ken Hoexter
	FedEx Corp.	FDX	FDX US	Ken Hoexter
	J.B. Hunt Transport Services	JBHT	JBHT US	Ken Hoexter
	Kirby Corp	KEX	KEX US	Ken Hoexter
	Knight-Swift Transportation Holdings Inc	KNX	KNX US	Ken Hoexter
	Norfolk Southern	NSC	NSC US	Ken Hoexter
	Old Dominion Freight Line	ODFL	ODFL US	Ken Hoexter
	Saia Inc.	SAIA	SAIA US	Ken Hoexter
	Teekay Tankers Limited	TNK	TNK US	Ken Hoexter
	Union Pacific	UNP	UNP US	Ken Hoexter
	Wabtec Corp.	WAB	WAB US	Ken Hoexter
	XPO, Inc.	XPO	XPO US	Ken Hoexter
NEUTRAL				
NEOTIME	Canadian National	CNI	CNIUS	Ken Hoexter
	RXO, Inc.	RXO	RXO US	Ken Hoexter
	Schneider National	SNDR	SNDR US	Ken Hoexter
	Scorpio Tankers Inc.	STNG	STNG US	Ken Hoexter
	TFI International	TFII	TFILUS	Ken Hoexter
	TFI International	YTFII	TFILCN	Ken Hoexter
	UPS	UPS	UPS US	Ken Hoexter
UNDERPERFORM				
ONDER! ER! ORM	ArcBest Corporation	ARCB	ARCB US	Ken Hoexter
	C.H. Robinson	CHRW	CHRW US	Ken Hoexter
	The Greenbrier Companies	GBX	GBX US	Ken Hoexter
	Werner Enterprises	WERN	WERN US	Ken Hoexter
	World Kinect	WKC	WKC US	Ken Hoexter
	VVOIIU MITECL	VVIC	WINC US	I/CITTIOEXTEI

Disclosures

Important Disclosures

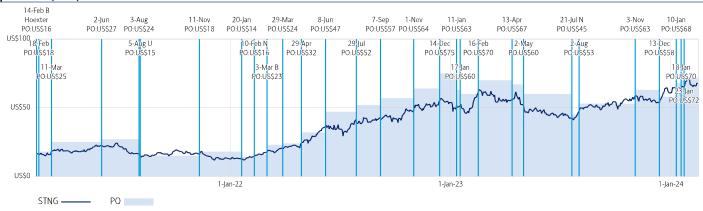
RXO, Inc. (RXO) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

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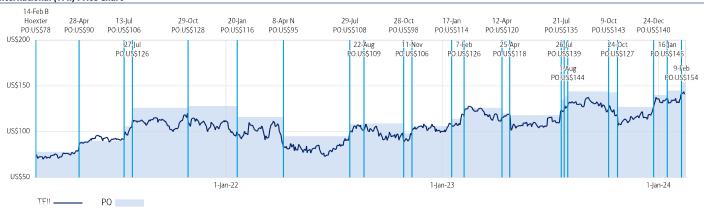
Scorpio Tankers (STNG) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

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TFI International (TFII) Price Chart



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TFI International (YTFII) Price Chart



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Wabtec (WAB) Price Chart



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Equity Investment Rating Distribution: Transport/Infrastructure Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	67	50.38%	Buy	44	65.67%
Hold	31	23.31%	Hold	13	41.94%
Sell	35	26.32%	Sell	17	48.57%

Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1895	53.62%	Buy	1083	57.15%
Hold	832	23.54%	Hold	454	54.57%
Sell	807	22.84%	Sell	383	47.46%

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