



Alert

Description: **980 g rear diff**

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Account Information

ID: 402009

Name: **Greer Lime**
Address: **1088 Germany Valley Limestone Road, Diverton, WA 26814**

Address: 1088 Germany Valley Limestone Road, Riverton, WV 26814-0000 US

Parent Account: **MATTHEWS LUBRICANTS, INC.**

Sample Information

Sample ID: 25286276018

Service Level: **Essential**
Bottle ID: **a037068313**

Tested Lubricant: **MOBIL DELVAC MODERN OFF-**

HIGHWAY TRANS FLUID 50

Equipment Information

Asset Class: **Differential**

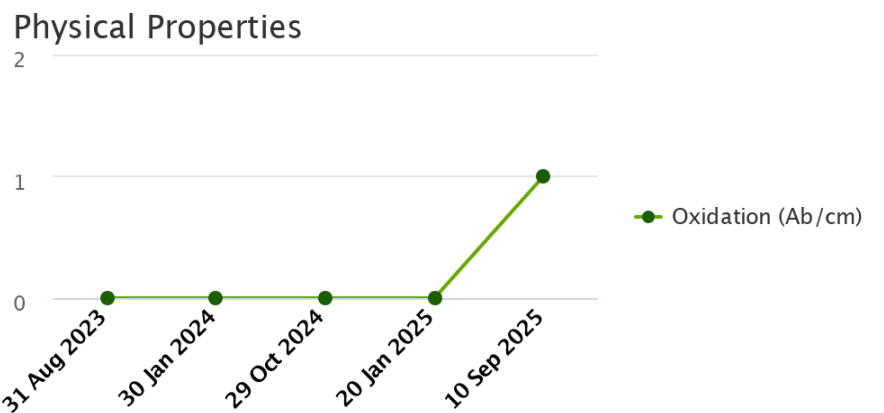
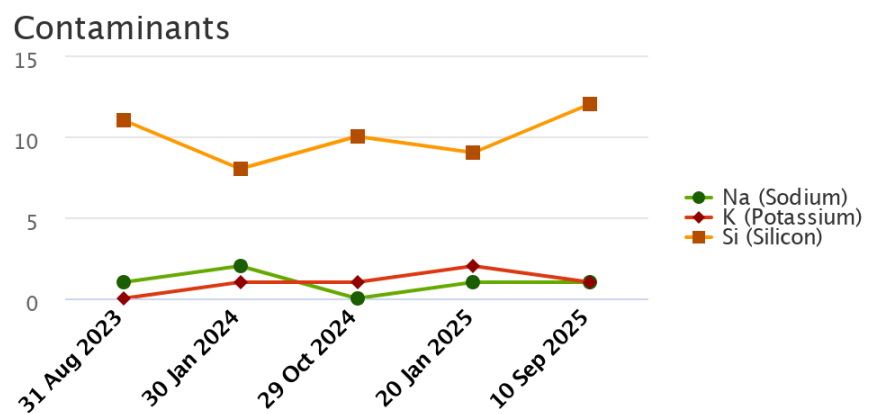
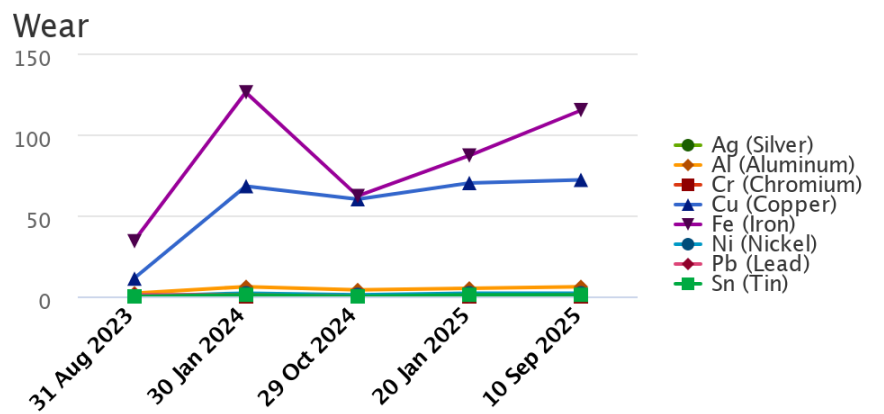
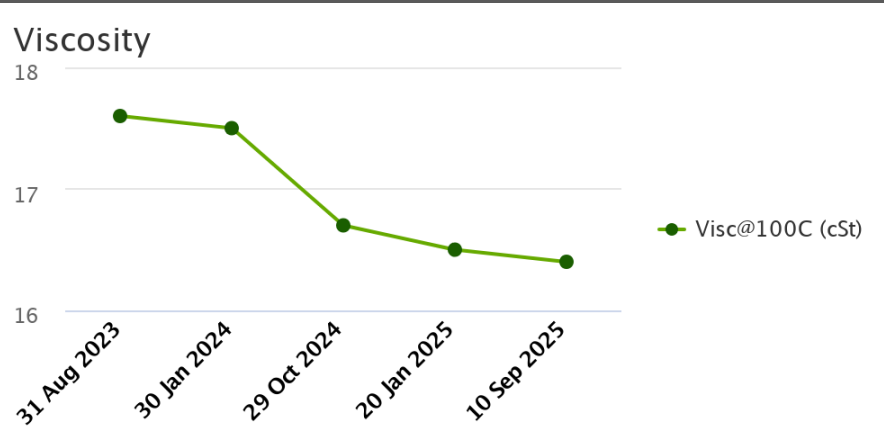
Manufacturer: **CATERPILLAR**


Lubricant: **MOBIL DELVAC MODERN OFF-HIGHWAY**

TRANS FLUID 50

Sample Data & Trends

Sample Info	Report Status	Normal	Alert	Alert	Alert	Alert
	Sample ID	23264173004	24039165001	24330195074	25059439045	25286276018
	Service Level	Essential	Essential	Essential	Essential	Essential
	Bottle ID	a029580277	a030122683	a033552516	a033584450	a037068313
	Tested Lubricant	MOBILTRANS HD 50	MOBILTRANS HD 50	MOBILTRANS HD 50	MOBILTRANS HD 50	MOBIL DELVAC MODERN OFF-HIGHWAY TRANS FLUID 50
	Sampled	31 Aug 2023	30 Jan 2024	29 Oct 2024	20 Jan 2025	10 Sep 2025
	Reported	25 Sep 2023	12 Feb 2024	26 Nov 2024	04 Mar 2025	15 Oct 2025
	Equipment Age	54582	57117	58702	59445	61231
	Equipment UOM	Hours	Hours	Hours	Hours	Hours
	Oil Age					
	Make-up Volume					
	Oil Changed	No		No	Yes	Yes
Filter Changed	No		No	Yes	No	
Lubricant	Contamination Rating	Normal	Normal	Normal	Normal	Normal
	Equipment Rating	Normal	Alert	Alert	Alert	Alert
	Lubricant Rating	Normal	Normal	Normal	Normal	Normal
	Visc@100C (cSt)	17.6	17.5	16.7	16.5	16.4
	Oxidation (Ab/cm)	0	0	0	0	1
	Water (Vol.%)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Wear (ppm)	Ag (Silver)	0	1	0	0	0
	Al (Aluminum)	2	6	4	5	6
	Cr (Chromium)	0	0	0	0	0
	Cu (Copper)	11	68	60	70	72
	Fe (Iron)	34	126	62	87	115
	Mo (Molybdenum)	1	1	1	1	1
	Ni (Nickel)	0	2	1	2	2
	Pb (Lead)	1	1	0	0	1
Contaminant (ppm)	Sn (Tin)	0	1	0	1	1
	K (Potassium)	0	1	1	2	1
	Na (Sodium)	1	2	0	1	1
Additive (ppm)	Si (Silicon)	11	8	10	9	12
	B (Boron)	2	3	1	3	7
	Ba (Barium)	0	0	0	0	0
	Ca (Calcium)	3261	3213	3357	3192	3200
	Mg (Magnesium)	16	16	14	13	11
	P (Phosphorus)	1079	925	983	910	867
Zn (Zinc)	1073	1025	1026	1035	1015	



	Alert	
	Unit ID: 772	Asset ID: 51852114
	Description: 980 g rear diff	
Account Information	Sample Information	Equipment Information
ID: 402009 Name: Greer Lime Address: 1088 Germany Valley Limestone Road, Riverton, WV 26814-0000 US Parent Account: MATTHEWS LUBRICANTS, INC.	Sample ID: 25286276018 Service Level: Essential Bottle ID: a037068313 Tested Lubricant: MOBIL DELVAC MODERN OFF-HIGHWAY TRANS FLUID 50	Asset Class: Differential Manufacturer: CATERPILLAR Model: Lubricant: MOBIL DELVAC MODERN OFF-HIGHWAY TRANS FLUID 50

Continued

Recommendation/Comments

ACTION REQUIRED - ELEVATED WEAR METALS LEVELS. Determine cause of elevated wear metals levels and take corrective action. If the wear metals levels are elevated for the first time with no history of an increasing trend, then resample immediately to confirm condition. Because silicon levels are not also elevated, abrasive dirt is not the cause of this condition. Possible causes of elevated wear metals include: a. Worn of oil-wetted parts; b. Contamination from previous fill; c. Over-extended oil service life; d. Normal break-in of new equipment. Continue to closely monitor the equipment and oil for signs of further condition regressions. Contact your ExxonMobil representative for further assistance if necessary.

Sample Timeline

- 10 Sep 2025 3:13 PM UTC - Josh Simmons - In Service Oil Sample Comments: Photo: