

Version 004010									
General Information									
Transaction set 856, Advanced Ship Notice, in ANSI X12 version release 004010 will be used by The Timken Company to receive advanced ship notices electronically from our suppliers. Please refer to the ANSI X12 standards for additional information regarding this transaction set, its segments, and its data elements.									
The Notes/Comments column to the right of each data element provides specific information regarding the use of the element by The Timken Company. Those data elements with a comment of "Not used" are disregarded by The Timken Company, but may be sent in the transaction set if desired. If no comment is given, the contents of the data element are left to the discretion of the supplier but must be populated by a valid ANSI X12 standard value.									
Functional acknowledgments, transaction set 997, are sent if requested by the supplier. Please contact The Timken Company (see contact list below) to coordinate.									
The Features column contains 3 pieces of information - (1) usage of the element, (2) type of element, and (3) minimum/maximum lengths of the element.									
Usage Key:									
M = mandatory element									
O = optional element									
X = relational element									
Element Type Key:									
AN = alphanumeric element									
DT = date (format CCYYMMDD)									
ID = identifier/code									
Nx = numeric element with x decimal places implied									
R = numeric element where decimals are stated explicitly									
TM = time (format can be HHMM, HHMMSS, HHMMSSD, or HHMMSSDD)									
Contacts List:									
Richard A. Petrovich EDI - Corporate Info. Systems (330) 471-4759									
Christina Meyer EDI - Corporate Info. Systems (330) 471-5603									
Example									
For ease of reading, this example uses a "~" (tilde) as the element delimiter and a "@" (at sign) as the segment terminator.									

March 1, 2007

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Example 1 - data from Permac:							
ST~856~000000001@							
BSN~00~SID1234567890~19990802~0812@							
DTM~050~19990801@							
DTM~011~19990802~0815@							
HL~1~~S@							
REF~PK~08324@							
REF~IV~INVNUM324@							
HL~2~1~I@							
SN1~~5~EA@							
SLN~TOTAL~~I~5~EA~185.03~~~~CH~US@							
SLN~L~~I~1~LO~45.75@							
SLN~E~~I~1~LO~50@							
SLN~V~~I~1~LO~35.99@							
SLN~M~~I~1~LO~25.25@							
PRF~DB123456~0005~~~0658@							
REF~WS~LINW@							
REF~RQ~MR024992001M@							
REF~LS~PALLET ID@							
HL~3~1~I@							
SN1~~1~BX@							
SLN~TOTAL~~I~3~EA~125.01~~~~CH~US@							
PRF~DB123456~0327~~~0018@							
REF~WS~LINW@							
REF~RQ~MR024992001M@							
REF~LS~PALLET ID@							
SE~24~000000001@							
Example 1 - data from SAP:							
ST~856~000000001@							
BSN~00~SID1234567890~19990802~0812@							
DTM~050~19990801@							
DTM~011~19990802~0815@							
HL~1~~S@							

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							invoice or packing slip number is mandatory.
Item	010	HL			Hierarchical Level	Mandatory	
	030	SN1			Item Detail	Mandatory	
	040	SLN			Subline Item Detail	Mandatory	Can occur up to 1000 times.
	060	PRF			Purchase Order Reference	Mandatory	
	150	REF			Reference Identification	Mandatory	Can occur more than 1 time. One occurrence to indicate the material requisition number is mandatory.
Summary	020	SE			Transaction Set Trailer	Mandatory	
	SEG		ELEM	ELEM			
LEVEL	POS	SEG	ID	NUM	NAME / DESCRIPTION	FEATURES	NOTES / COMMENTS
Header	010	ST	01	143	Transaction Set Identifier Code	M ID 03/03	Use "856" (ship notice)
		ST	02	329	Transaction Set Control Number	M AN 04/09	Unique number given to each ship notice transaction set
Header	020	BSN	01	353	Transaction Set Purpose Code	M ID 02/02	Use "00" (original)
		BSN	02	396	Shipment Identification	M AN 02/30	Shipment identification code specified by the supplier
		BSN	03	373	Date	M DT 08/08	Date the ship notice was originally created
		BSN	04	337	Time	M TM 04/08	Time the ship notice was originally created
		BSN	05	1005	Hierarchical Structure Code	O ID 04/04	Not used
		BSN	06	640	Transaction Type Code	X ID 02/02	Not used
		BSN	07	641	Status Reason Code	O ID 03/03	Not used
Header	040	DTM	01	374	Date/Time Qualifier	M ID 03/03	Use "011" (shipped date)
							Use "050" (received date)
		DTM	02	373	Date	M DT 08/08	If DTM01 = "011", use the shipped date
							If DTM01 = "050", use the received date
		DTM	03	337	Time	X TM 04/08	If DTM01 = "011", use the shipped time
							If DTM01 = "050", use the received time
		DTM	04	623	Time Code	O ID 02/02	Not used
		DTM	05	1250	Date Time Period Format Qualifier	X ID 02/03	Not used

	SEG		ELEM	ELEM			
LEVEL	POS	SEG	ID	NUM	NAME / DESCRIPTION	FEATURES	NOTES / COMMENTS
		DTM	06	1251	Date Time Period	X AN 01/35	Not used
Shipment	010	HL	01	628	Hierarchical ID Number	M AN 01/12	Use "1" (indicates level number 1)
		HL	02	734	Hierarchical Parent ID Number	O AN 01/12	Not used
		HL	03	735	Hierarchical Level Code	M ID 01/02	Use "S" (shipment level)
		HL	04	736	Hierarchical Child Code	O ID 01/01	Not used
Shipment	150	REF	01	128	Reference Identification Qualifier	M ID 02/03	Use "PK" (packing list) or "IV" (invoice)
		REF	02	127	Reference Identification	X AN 01/30	This will appear on Timken check paying for this PO-line-release.
							If REF01 = "PK", use the packing list number
							If REF01 = "IV", use the invoice number
		REF	03	352	Description	X An 01/80	Not used
		REF	04	C040	Reference Identifier	O	Not used
Item	010	HL	01	628	Hierarchical ID Number	M AN 01/12	Starts with "2" (indicates level 2) and increments by 1 for each PO-line-release being shipped on this shipment.
		HL	02	734	Hierarchical Parent ID Number	O AN 01/12	Use "1" (indicates that this level is a "child" of level number 1)
		HL	03	735	Hierarchical Level Code	M ID 01/02	Use "I" (item level)
		HL	04	736	Hierarchical Child Code	O ID 01/01	Not used
Item	030	SN1	01	350	Assigned Identification	O AN 01/20	Not used
		SN1	02	382	Number of Units Shipped	M R 01/10	Quantity being shipped/supplied for this shipment
		SN1	03	355	Unit or Basis for Measurement Code	M ID 02/02	Unit of measure found on the original PO-line-release
		SN1	04	646	Quantity Shipped to Date	O R 01/15	Not used
		SN1	05	330	Quantity Ordered	X R 01/15	Not used
		SN1	06	355	Unit or Basis for Measurement Code	X ID 02/02	Not used
		SN1	07	728	Returnable Container Load Make-up	O ID 01/02	Not used
					Code		
		SN1	08	668	Line Item Status Code	O ID 02/02	Not used
Item	040	SLN	01	350	Assigned Identification	M AN 01/20	Use "TOTAL" to report item quantity and unit price
							Use "E" if reporting equipment expenses
							or UPS Tracking Number
							Use "L" if reporting labor expenses
							or Freight Charges

	SEG		ELEM	ELEM			
LEVEL	POS	SEG	ID	NUM	NAME / DESCRIPTION	FEATURES	NOTES / COMMENTS
							Use "M" if reporting material expenses or Weight
							Use "V" if reporting expenses sub-contracted to a third party or Country of Origin
		SLN	02	350	Assigned Identification	O AN 01/20	Not used
		SLN	03	662	Relationship Code	M ID 01/01	Use "I" (included)
		SLN	04	380	Quantity	X R 01/15	If SLN01 = "TOTAL", use the item's acknowledged quantity
							If SLN01 not = "TOTAL", use "1"
		SLN	05	C001	Composite Unit of Measure	X	Composite field. Subelements used: D.E. 355
					355 - Unit or Basis for Measurement Code	M ID 02/02	If SLN01 = "TOTAL", use the item's acknowledged unit of measure
							If SLN01 not = "TOTAL", use "LO" (lot)
		SLN	06	212	Unit Price	X R 01/17	If SLN01 = "TOTAL", use the item's acknowledged unit price
							If SLN01 = "E", use the total equipment cost
							If SLN01 = "L", use the total labor cost
							If SLN01 = "M", use the total material cost
							If SLN01 = "V", use the total sub-contracted cost
		SLN	07	639	Basis of Unit Price Code	O ID 02/02	If SLN01 = "TOTAL", use the item's acknowledged unit price basis code
		SLN	08	662	Relationship Code	O ID 01/01	Not used
		SLN	09	235	Product/Service ID Qualifier	X ID 02/02	Use 'CH' for Country of Origin
		SLN	10	234	Product/Service ID	X AN 01/48	Use Country of Origin
		SLN	11	235	Product/Service ID Qualifier	X ID 02/02	Not used
		SLN	12	234	Product/Service ID	X AN 01/48	Not used
		SLN	13	235	Product/Service ID Qualifier	X ID 02/02	Not used
		SLN	14	234	Product/Service ID	X AN 01/48	Not used
		SLN	15	235	Product/Service ID Qualifier	X ID 02/02	Not used
		SLN	16	234	Product/Service ID	X AN 01/48	Not used
		SLN	17	235	Product/Service ID Qualifier	X ID 02/02	Not used
		SLN	18	234	Product/Service ID	X AN 01/48	Not used
		SLN	19	235	Product/Service ID Qualifier	X ID 02/02	Not used
		SLN	20	234	Product/Service ID	X AN 01/48	Not used
		SLN	21	235	Product/Service ID Qualifier	X ID 02/02	Not used
		SLN	22	234	Product/Service ID	X AN 01/48	Not used
		SLN	23	235	Product/Service ID Qualifier	X ID 02/02	Not used

	SEG		ELEM	ELEM			
LEVEL	POS	SEG	ID	NUM	NAME / DESCRIPTION	FEATURES	NOTES / COMMENTS
		SLN	24	234	Product/Service ID	X AN 01/48	Not used
		SLN	25	235	Product/Service ID Qualifier	X ID 02/02	Not used
		SLN	26	234	Product/Service ID	X AN 01/48	Not used
		SLN	27	235	Product/Service ID Qualifier	X ID 02/02	Not used
		SLN	28	234	Product/Service ID	X AN 01/48	Not used
Item	060	PRF	01	324	Purchase Order Number	M AN 01/22	Use the Timken-assigned purchase order number
		PRF	02	328	Release Number	M AN 01/30	Use the Timken-assigned line release number
		PRF	03	327	Change Order Sequence Number	O AN 01/08	Not used
		PRF	04	373	Date	O DT 08/08	Not used
		PRF	05	350	Assigned Identification	M AN 01/20	Use the Timken-assigned line item number
		PRF	06	367	Contract Number	O AN 01/30	Not used
		PRF	07	92	Purchase Order Type Code	O ID 02/02	Not used
Item	150	REF	01	128	Reference Identification Qualifier	M ID 02/03	Use "RQ" (requisition number)
						M ID 02/03	Use "WS" (warehouse)
						O ID 02/03	Use "LS" (pallet id)
		REF	02	127	Reference Identification	X AN 01/30	If REF01 = "RQ", use the Timken-assigned material requisition number found on the original PO-line-release.
							If REF01 = "WS", use the Timken-assigned warehouse code found on the original PO-line-release.
							If REF01 = "LS", use pallet id.
		REF	03	352	Description	X AN 01/80	Not used
		REF	04	C040	Reference Identifier	O	Not used
Summary	020	SE	01	96	Number of Included Segments	M N0 01/10	Total number of segments used in the transaction set
		SE	02	329	Transaction Set Control Number	M AN 04/09	Unique number given to each ship notice transaction. Use the same number as found in ST02.