

# Eaton® Lubricant Suppliers TCMT0020 EN-US

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## Important Eaton Transmission Lubricants Update - January 2017

### Introduction of New Lubrication Specification PS-386

Eaton transmission lubricant specification PS-164rev7 has been replaced by PS-386. All applications that required the use of PS-164rev7 approved lubricants will now require the use of PS-386 approved lubricants.

**OEM Production** - All major OEMs have transitioned to the PS-386 approved lubricants.

**Aftermarket** - Eaton recognized a transition period until PS-164rev7 oils were eliminated in the market. Effective January 1, 2017, warranty coverage requires PS-386. Both PS-164rev7 and PS-386 oils can be mixed. Top-offs using either fluids are permitted.

### Introduction of Precision Transmission Unique Lubricant Specification PS-278

PS-278 approved lubricants are the only acceptable lubricant for the Precision transmission.

**NOTICE:** Do not use PS-278 oil in other Eaton transmission models or damage may occur.

### Introduction of Approved Lubricant Logos



To make identification of approved lubricants easier, new mandatory logos were created. All approved lubricants for PS-386 and PS-278 are required to display the approved lubricant logo on their label.

**NOTICE:** To avoid damage to vehicle, never mix engine oils and synthetic transmission oils in the same transmission. When switching between types of lubricants, all areas of

each affected component must be thoroughly drained. Do not introduce additives and friction modifiers. Do not mix lubricants of different grades. Do not mix mineral and synthetic lubricants. Do not mix heavy-duty, multi-purpose lithium based (#2 grade) grease with Sodium based grease.

## Eaton Approved Heavy-Duty Transmission Lubricant Suppliers



Supplier	Product	Region Availability						
		US	Canada	Mexico	Australia and New Zealand	India	China	Europe
Eaton	PS-386 Heavy Duty Synthetic Lubricant	X	X	X	X	X	X	X
Allied Oil and Tire Co.	Allied Syntx MTF 7000 Synthetic Transmission Fluid	X						
Bardahl de Mexico S.A. de C.V.	Bardhl Gear Oil MTF Fully SYN PS-386			X				
BASF Corporation	BASF Emgard MTF 7000	X	X	X	X	X	X	X
BG Products, Inc.	SAE 40 Full Synthetic Transmission Oil	X						
BP Lubricants USA, Inc.	Transmax Manual E Longlife 40	X						
CITGO Petroleum Corp.	Syndurance Synthetic MTF	X						
	Mystik SX-7000 Synthetic MTF	X						
Chevron Products	Delo Syn-trans XE SAE 75W90	X	X	X	X	X	X	X
Comercial Importadora S.A. de C.V.	Synquest CD 50			X				
Comercial Roshfrans, S.A. de C.V.	Gear Plus CD-700 (Synthetic Transmission Fluid)			X				
David Weber Oil Co.	Gibraltar Syngear PS-386 SAE 40	X						
Exxon Mobil Fuels and Lubricants	Mobil Delvac 1 Transmission Fluid 40	X						
Federated Co-Operatives Ltd.	Sonic MTF EA SI	X	X					
Fuchs Petrolub	Fuchs Titan Cytrac ETN SAE 40	X						
Industrial Villanueva, S.A. de C.V.	Invisa Synthetic Oil Gear AC SAE 75W-90			X				
Lubrication Engineers, Inc.	Synolec Transmission Fluid SAE 40 (640)	X						
Mercedes-Benz Australia/Pacific Pty Ltd	Alliance Prime Trans Plus 40	X						
Navistar	Fleetrite PS-386 Synthetic Manual Transmission Lubricant	X	X	X				
Northland Products Co.	Northland Synergy Synthetic ExP Transmission 50	X						
Petro-Canada Lubricants Inc.	TRAXON E Synthetic MTF (Synthetic Transmission Fluid)	X	X	X	X	X	X	X

## Eaton Approved Transmission Lubricants

Supplier	Product	Region Availability						
		US	Canada	Mexico	Australia and New Zealand	India	China	Europe
Phillips 66 Company	Triton Synthetic MTF	X						
	Kendall SHP Synthetic MTF	X						
Quick Smart Products P/L	Road Trans MTF PS-386	X						
Raloy Lubricantes, S.A. de C.V.	Raloy Transintex Plus SAE 40			X				
Royal Mfg. Co. LD	Monarch Syntran Plus SAE 40	X						
Schaeffer Manufacturing Company	744 Synthetic Lube SAE 40	X						
Shell	Spirax S6 GME 40	X	X	X				
Texas Refinery	Syntex 2000 SAE40 Synthetic Manual Transmission Lubricant	X						
The Valvoline Company	Syn Gard™ Transmission Fluid E386	X						
Total Mexico S.A. de C.V.	Transmission SYN 7000			X				
TOTAL Specialties USA, Inc.	TOTAL Transmission Gear 8 FE SAE 40	X						
Warren Oil	Lubriguard SAE 40 Synthetic Heavy Duty Transmission Fluid	X						
	PURUS Synthetic SAE 40 Heavy Duty Transmission Fluid	X						

**Eaton Approved Precision Transmission Lubricant Suppliers**



Supplier	Product	Region Availability						
		US	Canada	Mexico	Australia and New Zealand	India	China	Europe
Eaton	Eaton PS-278 Precision Transmission Fluid	X	X	X	X	X	X	X
BASF Corporation	Emgard DCT 7200	X	X	X	X	X	X	X
Shell	Spirax S6 DCT E 75W-80	X	X					

## Eaton Recommended Axle Lubricant Suppliers

Eaton Recommended Drive Axle Lubricants are approved by several component OEMs. In order to ensure getting the correct lubricant, use the Table below to find the Axle Lubricant Category number. Then find that same number in the recommended supplier list. Always follow OEM requirements.

Axle lubricants contain active EP additives for typical use in spiral bevel (hypoid) gear sets. These lubricants are not designed for transmissions. Do not mix different lubricants.

Axle Lubricant Category	Recommended Axle Lubricants											
	Dana		Meritor			Navistar	Mack		Freightliner (Detroit Axle)	Industry Standards		
	SHAES-256	SHAES-429	0-76B	0-76N	0-76S	TMS-6816	GO-J	GO-J Plus	DFS 93K219.01	GL-5	MT-1	SAE J2360 (MIL-PRF-2105)
1		X	X			X		X		X	X	X
2	X	X				X				X	X	X
3	X	X		X		X		X	X	X	X	X
4	I	I			X					X	X	X

Supplier	Category	Product	Region Availability						
			US	Canada	Mexico	Australia and New Zealand	India	China	Europe
Eaton	1	EP 80W-140	X	X	X	X	X	X	X
	3	FE 75W-90 (Fuel Efficient)	X	X	X	X	X	X	X
Advanced Lubrication Specialties	1	Advantage FE Full Synthetic 80W-140 GL-5	X						
	3	Advantage FE Full Synthetic 75W-90 GL-5	X						
	1	BlackBear FE Full Synthetic 80W-140 GL-5	X						
	3	BlackBear FE Full Synthetic 75W-90 GL-5	X						
	1	Sunoco Duragear FE Full Synthetic 80W-140 GL-5	X						
	3	Sunoco Duragear FE Full Synthetic 75W-90 GL-5	X						
Allied Oil & Supply Company	3	Allied FE 75W-90 Fuel Efficient Synthetic Gear Lubricant	X						

## Eaton Recommended Axle Lubricants

Supplier	Category	Product	Region Availability						
			US	Canada	Mexico	Australia and New Zealand	India	China	Europe
American Refining Group	1	Roadranger EP 80W-140	X						
	3	Roadranger FE 75W-90	X						
Bardahl de Mexico S.A. de C.V.	1	Bardahl Gear Oil Fully Syn SAE 80W-140			X				
	2	Bardahl Gear Oil Fully Syn GL-5 SAE 75W-90			X				
BASF Corporation	1	Emgard EP 80W-140 Synthetic Axle Lube	X	X	X	X	X	X	X
	2	Emgard EP 75W-90 Synthetic Axle Lube	X	X	X	X	X	X	X
	3	Emgard FE 75W-90 Synthetic Axle Lube (Fuel Efficient)	X	X	X	X	X	X	X
	4	Emgard XFE 75W-85 Synthetic Axle Lube (Extra Fuel Efficient)	X		X				
BP Lubricants USA, Inc.	1	Syn-Gear 80W-140	X						
	3	Syn-Gear 75W-90	X						
Caltex Oil PTY LTD	2	SYNSTAR GL 75W-90				X			
Castrol Heavy Duty Lubricants, Inc.	1	Syn-Gear 80W-140		X					
	2	Syn-Gear 75W-90		X					
	1	Syntrax E 80W-140		X		X			
	2	Syntrax E 75W-90		X					
CHS, Inc.	1	Maxtron GL SAE 80W-140	X						
	2	Maxtron GL SAE 75W-90	X						
	3	Maxtron GL Enviro-EDGE SAE 75W-90 (Fuel Efficient)	X						
Citgo Petroleum Corporation	1	Citgo Synthetic Gear Lube 80W-140	X						
	3	Citgo Synthetic Gear Lube 75W-90	X						
	1	Mystik Synthetic Gear Lube 80W-140	X						
	3	Mystik Synthetic Gear Lube 75W-90	X						
Comercial Roshfrans, S.A. de C.V.	1	Aceite Gear Max SAE 80W-140			X				
Crane Carrier Co.	1	Roadranger EP 80W-140	X						
	2	Roadranger EP 75W-90	X						
	3	Roadranger FE 75W-90 (Fuel Efficient)	X						
D-A Lubricant Company Inc.	1	D-A SynSure™ 80W-140	X						
	3	D-A SynSure™ SAE 75W-90	X						



## Eaton Recommended Axle Lubricants

Supplier	Category	Product	Region Availability						
			US	Canada	Mexico	Australia and New Zealand	India	China	Europe
Daimler Truck N.A.	1	Roadranger EP 80W-140	X						
	2	Roadranger EP 75W-90	X						
	3	Roadranger FE 75W-90 (Fuel Efficient)	X						
David Weber Oil Co.	1	Gibraltar Synthetic Gear Lube 80W-140	X						
	3	Gibraltar Synthetic Gear Lube 75W-90	X						
Federated Co-Operatives Ltd.	3	Sonic MP Gear Oil SL 75W-90	X	X					
Fuchs	2	Tutela Truck FE Axle				X			
Growmark Inc.	2	United Lubricants SynGear 75W-90	X						
	2	FS Synthetic 75W-90 Gear Lube	X						
	2	Gold Synthetic Gear Lubricant 75W-90	X						
Gulf Oil International	1	Gulf Syngear HD 80W-140					X		
	2	Gulf Syngear HD 75W-90					X		
	3	Gulf Syngear FE 75W-90 (Fuel Efficient)					X		
Lee Helms Inc.	1	Triden SynGear 80W-140	X						
	2	Triden SynGear 75W-90	X						
Mack Trucks Canada	2	Roadranger 75W-90		X					
Mexicana de Lubricantes S.A. de C.V.	1	Akron Vector H Axle 80W-140			X				
NemCo Resources Limited	2	NEMCO Syngear 75W-90		X					
Navistar	1	Fleetrite Synthetic 80W-140 Gear Oil	X						
	2	Fleetrite Synthetic 75W-90 Gear Oil	X						
	3	Fleetrite Synthetic FE 75W-90 Gear Oil (Fuel Efficient)	X						
Northland Products Company	1	Northland Synergy Synthetic Gear Lube EP 80W-140	X						
	2	Northland Synergy Synthetic Gear Lube EP 75W-90	X						
PACCAR Parts	1	PACCAR EP 80W-140	X		X				
	2	PACCAR 75W-90 Original Factory Fill Fluid	X		X				
	3	PACCAR FE 75W-90 (Fuel Efficient)	X		X				
Petro-Canada Lubricants Inc.	1	Traxon E Synthetic 80W-140	X	X	X	X	X	X	X
	2	Traxon E Synthetic 75W-90	X	X	X	X	X	X	X

## Eaton Recommended Axle Lubricants

Supplier	Category	Product	Region Availability						
			US	Canada	Mexico	Australia and New Zealand	India	China	Europe
Phillips 66 Company	1	Phillips 66 Triton Synthetic Gear Lube 80W-140	X	X	X	X	X	X	X
	2	Phillips 66 Triton Synthetic Gear Lube 75W-90	X	X	X	X	X	X	X
	3	Phillips 66 Triton Syngear FE 75W-90	X	X	X	X	X	X	X
	3	Kendall SHP Syngear FE 75W-90	X	X	X	X	X	X	X
Raloy Lubricantes S.A. de C.V.	1	Raloy Transintex Plus EP 80W-140			X				
	2	Raloy Transintex Plus EP 75W-90			X				
Royal MFG Company LP	1	Monarch SynGear Plus SAE 80W-140	X						
	2	Monarch SynGear Plus SAE 75W-90	X						
Schaeffer Manufacturing Company	1	Schaeffer 740 Synthetic Lube 80W-140 E/A	X						
	2	Schaeffer 741 Synthetic Lube 75W-90 E/A	X						
Sea Land	1	Eaton EP 80W-140	X						
	3	Eaton FE 75W-90 (Fuel Efficient)	X						
Shell	1	Shell SPIRAX S6 AXME 80W-140	X	X					
	3	Shell SPIRAX S6 AXRME 75W-90 (Fuel Efficient)	X	X	X	X			
Synergy Additives	1	Synergy Syntech 80W-140			X				
	2	Synergy Syntech 75W-90			X				
Texas Refinery Group	1	Syntex 2700 Gear 80W-140	X						
Total Lubricants	1	Transmission SYN NA 80W-140	X	X					
	2	Transmission SYN NA 75W-90	X	X					
	3	Transmission XRD FE 75W-90 (Fuel Efficient)	X	X					
Valvoline, Inc.	1	Valvoline HD Synthetic Gear Oil EP 80W-140	X	X		X			
	3	Valvoline HD Synthetic Gear Oil EP 75W-90	X	X		X			
Volvo Trucks Canada	2	Roadranger 75W-90		X					
Warren Oil Company, Inc.	1	LubriGuard Heavy Duty Synthetic 80W-140	X						
	3	LubriGuard Heavy Duty Synthetic 75W-90	X						
	1	PURUS Synthetic 80W-140 Heavy Duty Gear Lube	X						
	3	PURUS Synthetic 75W-90 Heavy Duty Gear Lube	X						

## Change Control Log

Last Revised Date	Description of Clarifications and Updates
May 2018	Changed Federated Co-operatives Ltd. from a Category 2 to a Category 3.
April 2018	Added Pennzoil-Quaker State Company DBA SOPUS Products (Shell) to the Approved PS-278 list for US & Canada; updated for US on Recommended list.
March 2018	Added Federated Co-Operatives Ltd to the Approved list for US & Canada; updated for US on Recommended list. Updated Petro-Canada Lubricants for all regions. Updated Supplier Shell to include Canada Region Availability
February 2018	Updated Supplier Chevron Products to include all Region Availability
January 2018	Added Schaeffer Manufacturing Company to Eaton Approved Heavy-Duty Transmission Lubricant Suppliers. Updated D-A SynSure™ SAE 75W-90 and Valvoline HD Synthetic Gear Oil EP 75W-90 to Category 3 in Eaton Recommended Axle Lubricant Suppliers
August 2017	Updated Recommended Axle Lubricants, Recommended Axle Lubricant Suppliers, and Eaton Approved Heavy-Duty Transmission Lubricant Suppliers
June 2017	Simplified tables for Approved and Recommended Lubricants
March 2017	Combined lists for Eaton Approved Transmission Lubricants. Combined lists for Eaton Recommended Drive Axle Lubricants
February 2017	Added Advanced Lubrication Specialties to Recommended Drive Axle Suppliers - United States
January 2017	Updated for PS-386 replacement of PS-164rev7 effective January 1, 2017
March 2016	Updated product name for Allied Oil & Supply Company in Approved Lubricants - United States “Genuine Roadranger” Lubricants table
March 2015	Updated Other Approved Lubricants - United States list
August 2013	Removed references to Dana Holding Corporation

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