

Roadranger®



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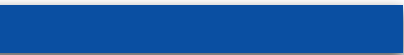
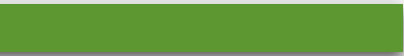



Roadranger Products

Approved Lubricant Suppliers

TCMT0020

August 2011

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General Information

Eaton Lubrication Philosophy

In promoting component reliability and longevity, proper lubrication is the key to a sound and effective maintenance program. Without effective lubricants at proper levels, remaining maintenance procedures will not keep components functional.

We believe synthetic lubricants have proven to be superior to petroleum products and represent opportunities to promote superior maintenance and bottom line operating performance while significantly extending component service life and reliability.

Standard Fill Lubricants

Transmission and Drive Axle lubricants must meet a number of lubricant industry requirements. Refer to the charts in TCMT0021 to select the proper lubricant.

Extended Drain Lubricants

Extended Drain Roadranger synthetic lubricants offer superior thermal and oxidative stability for extended product performance and reliability.

The superior performance characteristics of these lubricants enable Eaton and Dana to offer extended drain and extended warranties. Added benefits include a more efficient drivetrain that translates into proven fuel economy savings over mineral based lubricants.

Important: Using Extended Drain Roadranger synthetic lubricants is required to maintain Eaton and Dana extended warranties.

It is important to use the lubricants that meet the current specifications set by Eaton and Dana. Look for the appropriate approval code on the container.

Note: for additional information on Roadranger lubrication, see the Roadranger Products Lubrication Manual TCMT0021.

Approved Lubricants

The following is a list of lubricants approved by Eaton and Dana for use with the Roadranger® drivetrain components. These lubricants have passed the appropriate Performance Specification for the type of service and lubricant drain interval.

If the transmission and drive axles are factory filled with approved lubricants, any top off lubricant must also be an approved lubricant in order to keep the extended warranty (if applicable) and extended drain interval intact.

Approved Lubricant Specifications for Extended Drain Intervals

Transmission

LUBRICANT SPECIFICATION	DRAIN INTERVAL
PS-164 REV 7 (Linehaul)	500,000 miles
PS-164 REV 7 (Vocational)	3yr/180,000 miles

Drive Axle

LUBRICANT SPECIFICATION	DRAIN INTERVAL
SHAES-256 Rev C	500,000 miles
SHAES-429 (Vocational)	3 yr/ 180,000 miles



General Information

Lubrication Intervals

Line Haul - 500,000 Mile Extended Lube Drain Interval

The extended drain interval program applies to the Eaton transmissions and Dana axles listed below that meet the following conditions:

- Heavy Duty and Medium Duty transmissions and axles
- Line haul service (On-highway)
 - Lubricant Approval Levels:
 - Transmission - PS 164 Rev 7
 - Drive Axle - SHAES 256 Rev C
- Factory filled with lubricants approved for 500,000 mile drain cycles (US/Canada) 250,000/400,000Km (Outside US/Canada)
- Refer to charts listed in this manual for transmission and axle drain intervals when using "Extended Drain Lubricants".
- A Roadranger approved lubricant must be used to keep the extended warranty in place. The extended drain program and any extended warranty program are separate programs.

Vocational – 180,000 Mile Extended Lube Drain Interval

- 180,000 mile or three (3) year extended drain interval.
- The approved lubricants may be factory installed at the truck manufacturer, or service filled up to 500 miles, and may remain in the transmission and drive axles for the 180,000 mile or three (3) year drain interval (which ever comes first).

Lubricant approval levels:

- Transmission - PS 164 Rev 7
- Axle - SHAES 256 Rev C or SHAES 429

Note: For specific detail on Eaton extended warranty programs, refer to the Roadranger Warranty Guide, TCWY0900, or call 1-800-826-HELP (4357).

Vehicle Application Definitions

Line Haul (On-highway)

- High mileage operation (over 60,000 miles [96,500 Km] per year).
- On-highway or good to excellent concrete or asphalt.
- More than 30 miles [48 Km] between starting and stopping.
- 4x2, 6x2, 6x4 tractor/trailer combinations and straight tucks.
- Check fluid levels and inspect for leaks at regular PM maintenance intervals, not to exceed 12,000 miles

Vocational

- Low mileage operation (under 60,000 miles [96,500 Km] per year).
- Off-highway or areas of unstable or loose unimproved road surfaces.
- Less than 30 miles [48 Km] between starting and stopping.
- Heavy-duty, off-road or specialized application type vehicles.
- Check fluid levels and inspect for leaks every 50 hours.

Warnings and Cautions

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.

Approved Lubricant Suppliers – United States

“Genuine Roadranger” Lubricants

Approved Lubricants: PS 164 Rev 7 (Trans); SHAES 256 Rev C (Axle/Line Haul); SHAES 429 (Axle/Vocational)

SUPPLIER	PRODUCT	USE
Eaton Corporation Roadranger Synthetic Lubricants P.O. Box 4013 Kalamazoo, MI 49003-4013	Roadranger SAE 50 Roadranger EP 75W-90 Roadranger FE 75W-90 (Fuel Efficient) Roadranger EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Allied Oil & Supply Company P.O. Box 3687 Omaha, NE 68103	Allied Mag Synthetic 50 Allied Mag Synthetic EP 75W-90 Allied Mag Synthetic EP 80W-140	Transmission Drive Axle Drive Axle (Vocational)
American Refining Group 77 North Kendall Avenue Bradford, PA 16701	Roadranger SAE 50 Roadranger EP 75W-90 Roadranger EP 80W-140	Transmission Drive Axle Drive Axle (Vocational)
BP Lubricants USA, Inc. 1500 Valley Road Wayne, NJ 07470	Syn-Gear CD-50 Syn-Gear 75W-90 Syn-Gear 80W-140 Syntrans 50E Syntrax E 75W-90 Syntrax E 80 W-140	Transmission Drive Axle Drive Axle (Vocational) Transmission Drive Axle Drive Axle (Vocational)
Benz Oil 2724 West Hampton Milwaukee, WI 53209	Roadranger SAE 50 Roadranger EP 75W-90 Roadranger EP 80W-140	Transmission Drive Axle Drive Axle (Vocational)
CHS, Inc. 5500 Cenex Drive Inver Grove Heights, MN 55077	Maxtron MT SAE 50 Maxtron GL SAE 75W-90 Maxtron GL Enviro-EDGE SAE 75W-90 (Fuel Efficient) Maxtron GL SAE 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Cognis Corporation 5051 Estecreek Drive Cincinnati, OH 45232	Emgard SAE-50 Synthetic Transmission Lube Emgard 75W-90 Synthetic Axle Lube Emgard FE 75W-90 Synthetic Axle Lube (Fuel Efficient) Emgard EP 80W-140 Synthetic Axle Lube	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
ConocoPhillips Company 600 North Dairy Ashford Road Houston, TX 77079	Kendall SHP® Synthetic Transoil 50 Kendall SHP® Synthetic Gear Lube 75W-90	Transmission Drive Axle
ConocoPhillips Company 600 North Dairy Ashford Road Houston, TX 77079	Triton Synthetic® Transoil 50 Triton Synthetic® Gear Lube 75W-90 Triton Synthetic® Gear Lube 80W-140	Transmission Drive Axle Drive Axle (Vocational)
Crane Carrier Co. 1919 North Sheridan Tulsa, OK 74115	Roadranger SAE 50 Roadranger EP 75W-90 Roadranger FE 75W-90 (Fuel Efficient) Roadranger EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
CountryMark Cooperative LLP 5009 West 81st St Indianapolis, IN 46268	Advantage Full Synthetic 75W-90 Advantage Full Synthetic 80W-140 Advantage Full Synthetic SAE 50	Drive Axle Drive Axle (Vocational) Transmission
Daimler Truck N.A. 4747 N. Channel Avenue Portland, OR 97217-7699	Roadranger SAE 50 Roadranger EP 75W-90 Roadranger FE 75W-90 (Fuel Efficient) Roadranger EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
International Truck & Engine Corp. 5 Westbrook Corporate Center Westchester, IL 60154	Fleetrite Synthetic SAE 50 Transmission Oil Fleetrite Synthetic 75W-90 Gear Oil Fleetrite Synthetic 80W-140 Gear Oil	Transmission Drive Axle Drive Axle (Vocational)

Approved Lubricant Suppliers – United States

“Genuine Roadranger” Lubricants

Approved Lubricants: PS 164 Rev 7 (Trans); SHAES 256 Rev C (Axle/Line Haul); SHAES 429 (Axle/Vocational)

SUPPLIER	PRODUCT	USE
Marathon Petroleum LLC 5009 West 81st St Indianapolis, IN 46268	Marathon Full Synthetic 75W-90 Marathon Full Synthetic 80W-140 Marathon Full Synthetic SAE 50	Drive Axle Drive Axle (Vocational) Transmission
Paccar Parts 750 Houser Way North Renton, WA 98055	Kenworth SAE 50 Original Factory Fill Fluid Kenworth 75W-90 Kenworth FE 75W-90 Original Factory Fill Fluid (Fuel Efficient) Kenworth EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Paccar Parts 750 Houser Way North Renton, WA 98055	Peterbilt SAE 50 Original Factory Fill Fluid Peterbilt 75W-90 Peterbilt FE 75W-90 Original Factory Fill Fluid (Fuel Efficient) Peterbilt EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Pennzoil P.O. Box 4427 Houston, TX 77210	Pennzoil Long Life Transmission Fluid EW-50 Pennzoil Long Life Syn Gear EW 75W-90 (Fuel Efficient) Pennzoil Long Life EW 75W-90 Pennzoil Long Life EW 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Pinnacle Oil, Inc. 5009 West 81st St Indianapolis, IN 46268	National Full Synthetic 75W-90 National Full Synthetic 80W-140 National Full Synthetic SAE 50	Drive Axle Drive Axle (Vocational) Transmission
Rosemead Oil Products 12402 Los Nietos Road Sante Fe Springs, CA 90670	Premium Express SAE 50 Transmission Fluid Premium Express SAE 75W-90 Gear Oil Premium Express 80W-140 Gear Oil	Transmission Drive Axle Drive Axle (Vocational)
Schaeffer Manufacturing Company 102 Barton Street St. Louis, MO 63104	Schaeffer 742 Synthetic Lube 50W E/A Schaeffer 741 Synthetic Lube 70W-90 E/A Schaeffer 740 Synthetic Lube 80W-140 E/A	Transmission Drive Axle Drive Axle (Vocational)
Sea Land 868 Corporate Way West Lake, OH 44145	Roadranger SAE 50 Roadranger EP 75W-90 Roadranger FE 75W-90 (Fuel Efficient) Roadranger EP 80W-140	Transmission Drive Axle Transmission Drive Axle (Vocational)
Shell International Petroleum Company LTD. P.O. Box 4427 Houston, TX 77210	Shell SPIRAX®GSX SAE 50 Shell SPIRAX® S6 GME 50 Shell SPIRAX® ASX R 75W-90 (Fuel Efficient) Shell SPIRAX® S6 AXRME 75W-90 (Fuel Efficient) Shell SPIRAX® EW 75W-90 Shell SPIRAX® EW 80W-140 Shell SPIRAX® ASX 80W-140 Shell SPIRAX® S6 AXME 80W-140	Transmission Transmission Drive Axle Drive Axle Drive Axle Drive Axle (Vocational) Drive Axle (Vocational) Drive Axle (Vocational)
Total Lubricants USA Southwest, LLC 400 Chisholm Place, Suite 418 Plano, TX 75075	Transmission SYN 50 Transmission XRD FE 75W-90 (Fuel Efficient) Transmission SYN NA 75W-90 Transmission SYN NA 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Valvoline, Inc. A Subsidiary of Ashland Oil, Inc. 3499 Blazer Parkway Lexington, KY 40512	Valvoline HD Synthetic Trans Oil SAE 50 Valvoline HD Synthetic Gear Oil EP 75W-90 Valvoline HD Synthetic Gear Oil EP 80W-140	Transmission Drive Axle Drive Axle (Vocational)
Volvo Trucks North America 7900 National Service Rd Greensboro, NC 27409	Roadranger SAE 50 Roadranger EP 75W-90 Roadranger FE 75W-90 (Fuel Efficient) Roadranger EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)

Approved Lubricant Suppliers – United States

Other Approved Lubricants Marketers of approved fluids meeting the Eaton and Dana Extended Drain Specifications.

Approved Lubricants: PS 164 Rev 7 (Trans); SHAES 256 Rev C (Axle/Line Haul); SHAES 429 (Axle/Vocational)

SUPPLIER	PRODUCT	USE
American AGIP 539 Marwood Road Cabot, PA 16023	Syntrans CD-50 Syngear EP 75W-90 AGIP Syngear EP 5/6	Transmission Drive Axle Drive Axle (Vocational)
Chevron Products Company 6001 Bollinger Canyon Road San Ramon, CA 94583-0729	Chevron Delo Synthetic Transmission Fluid SAE 50 Chevron Delo Synthetic Gear Lube 75W-90	Transmission Drive Axle
Citgo Petroleum Corporation P.O. Box 3758 One Warren Place Tulsa, OK 74102	Citgo Synthetic Gear Lube CD 50 Citgo Synthetic Gear Lube 75W/90 Citgo Synthetic Gear Lube 80W-140	Transmission Drive Axle Drive Axle (Vocational)
D-A Lubricant Company 1340 West 29th St. Indianapolis, In 46208	D-A SynSure™ SAE 50 D-A SynSure™ 75W-90 D-A SynSure™ 80W-140	Transmission Drive Axle Drive Axle (Vocational)
David Weber Oil Co. 601 Industrial Road Calstadt, NJ 07072	Gibraltar Synthetic Gear Lube CD 50 Gibraltar Synthetic Gear Lube 75W-90 Gibraltar Synthetic Gear Lube 80W-140	Transmission Drive Axle Drive Axle (Vocational)
ExxonMobil Lubricants & Specialties 3225 Gallows Road Fairfax, VA 22037	Mobil Delvac Synthetic Transmission Fluid 50 Mobil Delvac Synthetic Gear Oil 75W-90 Mobil Delvac Synthetic Gear Oil 80W-140	Transmission Drive Axle Drive Axle (Vocational)
Industrial Oils Unlimited P.O. Box 3066 Tulsa, OK 74101	Hi-Tek Synthetic SAE 50 Hi-Tek Synthetic SAE 75W-90 Hi-Tek Synthetic SAE 80W-140	Transmission Drive Axle Drive Axle (Vocational)
Junnell Corp 420 Imperial Court Bensalem, PA 19020	Advantage CD 50 Transmission Advantage 75W-90 Synthetic Gear Oil Advantage 80W-140 Synthetic Gear Oil	Transmission Drive Axle Drive Axle (Vocational)
Lee Helms Inc P.O. Box 6100 Chesterfield, MO 63006	Triden Syn Gear CD 50 Triden Syn Gear 75W-90 Triden Syn Gear 80W-140	Transmission Drive Axle Drive Axle (Vocational)
Mack Truck Company 7900 National Service Rd Greensboro, NC 27409	Bulldog Syn Trans Lube SAE 50 Bulldog Syn Gear Lube SAE 75W-90	Transmission Drive Axle
Mystik Lubricants Houston, TX	SX-7000 50 SX-7000 75W-90 SX-7000 80W-140	Transmission Drive Axle Drive Axle (Vocational)
Northland Products Company P.O. Box 418 100 Rainbow Drive Waterloo, IA 50701	Northland Synergy Synthetic Trans Fluid 50W Northland Synergy Synthetic Gear Lube EP 70W-90 Northland Synergy Synthetic Gear Lube EP 80W-140	Transmission Drive Axle Drive Axle (Vocational)
Royal MFG Company LP 516 South 25th West Avenue Tulsa, OK 74101	Monarch SynGear Plus SAE 50 Monarch SynGear Plus SAE 75W-90 Monarch SynGear Plus SAE 80W-140	Transmission Drive Axle Drive Axle (Vocational)
Texas Refinery Corp P.O. Box 711 Fort Worth, TX 76101	Syntex 2000 50WT Transmission Fluid Syntex 2700 Gear 75W-90 Syntex 2700 Gear 80W-140	Transmission Drive Axle Drive Axle (Vocational)

Approved Lubricant Suppliers – United States

Other Approved Lubricants Marketers of approved fluids meeting the Eaton and Dana Extended Drain Specifications.

Approved Lubricants: PS 164 Rev 7 (Trans); SHAES 256 Rev C (Axle/Line Haul); SHAES 429 (Axle/Vocational)

SUPPLIER	PRODUCT	USE
Warren Oil Company, Inc. 434 Riverside Drive San Antonio, TX 78210	Autoguard Fleet Synthetic SAE 50 Autoguard Fleet Synthetic 75W-90 Autoguard Fleet Synthetic 80W-140	Transmission Drive Axle Drive Axle (Vocational)
Warren Oil Company, Inc. 34 Riverside Drive San Antonio, TX 78210	Lubriguard Heavy Duty Synthetic SAE 50 Lubriguard Heavy Duty Synthetic 75W-90 Lubriguard Heavy Duty Synthetic 80W-140	Transmission Drive Axle Drive Axle (Vocational)
Warren Oil Company, Inc. 434 Riverside Drive San Antonio, TX 78210	Service Pro Synthetic SAE 50 Service Pro Synthetic 75W-90 Service Pro Synthetic 80W-140	Transmission Drive Axle Drive Axle (Vocational)
Volvo Trucks North America 7900 National Service Rd Greensboro, NC 27409	Volvo Synthetic Transmission Fluid Volvo Synthetic Gear Oil 75W-90	Transmission Drive Axle

Approved Lubricant Suppliers – Canada

“Genuine Roadranger” Lubricants

Approved Lubricants: PS 164 Rev 7 (Trans); SHAES 256 Rev C (Axle/Line Haul); SHAES 429 (Axle/Vocational)

SUPPLIER	PRODUCT	USE
Eaton Corporation Roadranger Synthetic Lubricants P.O. Box 4013 Kalamazoo, MI 49003-4013	Roadranger SAE 50 Roadranger EP 75W-90 Roadranger FE 75W-90 (Fuel Efficient) Roadranger EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
1 Verco International Inc. (formerly April Super Flo) 9 Rue Beland l'isle - Vert, QC GOL 1K0	Superpro Syn-Trans CE-50 Superpro Syn Gear 75W-90	Transmission Drive Axle
Castrol Heavy Duty Lubricants, Inc.	Syn-Gear CD-50 Syn-Gear 75W-90 Syn-Gear 80W-140 Syntrans 50 E Syntrax E 75W-90 Syntrax E 80 W-140	Transmission Drive Axle Drive Axle (Vocational) Transmission Drive Axle Drive Axle (Vocational)
Cognis Canada Corp 2290 Argentia Rd. Mississauga, ON L5N6H9	Roadranger SAE 50 Roadranger EP 75W-90 Roadranger FE 75W-90 (Fuel Efficient) Roadranger EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Federated Co-operatives Ltd. Regina, Saskatchewan S4N7L5 Canada	Sonic MP Gear Oil 75W-90	Drive Axle
Fuchs Lubricants Canada LTD 19829-99A Langley, British Columbia, V1M 3G4	Titan Syndrive 50 Titan Syndrive 75W90	Transmission Drive Axle
Gulf Oil International	Gulf Syngear LL 50 Gulf Syngear HD 75W-90 Gulf Syngear FE 75W-90 (Fuel Efficient) Gulf Syngear HD 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
International Truck & Engine Corp. 5 Westbrook Corporate Center Westchester, IL 60154	Fleetrite Synthetic SAE 50 Transmission Oil Fleetrite Synthetic 75W-90 Gear Oil Fleetrite 80W-140 Gear Oil	Transmission Drive Axle Drive Axle (Vocational)
Irving Oil Limited Saint John, New Brunswick Canada E2L 4K1	IDO Synthetic 50 HDH Synthetic 75W-90	Transmission Drive Axle
Mack Trucks Canada 5600A Cancross Ct Mississauga, ON L5R 3E9	Roadranger SAE 50 Roadranger 75W-90	Transmission Drive Axle
NemCo Resources Limited 25 Midland Street Winnipeg, MB R3E 3J6	NEMCO Syntrans 50 NEMCO Syngear 75W-90	Transmission Drive Axle
Pennzoil P.O. Box 4427 Houston, TX 77210	Pennzoil Long Life Transmission Fluid EW-50 Pennzoil Long Life Syn Gear EW 75W-90 (Fuel Efficient) Pennzoil Long Life EW 75W-90 Pennzoil Long Life EW 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Petro-Canada Lubricants Centre 2489 North Sheridan Way Mississauga, Ontario L5K 1A8	Traxon E CD50 Traxon E Synthetic 75W-90 Traxon E Synthetic 80W-140	Transmission Drive Axle Drive Axle (Vocational)

Approved Lubricant Suppliers – Canada

“Genuine Roadranger” Lubricants

Approved Lubricants: PS 164 Rev 7 (Trans); SHAES 256 Rev C (Axle/Line Haul); SHAES 429 (Axle/Vocational)

SUPPLIER	PRODUCT	USE
Total Lubricants Canada 220 Avenue Lafleur Ville La Salle, Quebec H8R 4C9	Transmission SYN SAE 50 Transmission SYN FE 75W-90 (Fuel Efficient) Transmission SYN NA 75W-90 Transmission SYN NA 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Shell International Petroleum Company LTD. 400 - 4th Avenue SW P.O. Box 100, Station M Calgary, Alberta T2P 2H5	Shell SPIRAX®GSX SAE 50 Shell SPIRAX® S6 GME 50 Shell SPIRAX® ASX R 75W-90 (Fuel Efficient) Shell SPIRAX® S6 AXRME 75W-90 (Fuel Efficient) Shell SPIRAX® EW 75W-90 Shell SPIRAX® EW 80W-140 Shell SPIRAX® ASX 80W-140 Shell SPIRAX® S6 AXME 80W-140	Transmission Transmission Drive Axle Drive Axle Drive Axle Drive Axle (Vocational) Drive Axle (Vocational) Drive Axle (Vocational)
Ultramar Ltd. 2200 McGill College Montreal, QC H3A 3L3	Ultramar Synthetic SAE 50 Ultramar Synthetic 75W-90	Transmission Drive Axle
Valvoline, Inc. A Subsidiary of Ashland Oil, Inc. 3499 Blazer Parkway Lexington, KY 40512	Valvoline HD Synthetic Trans Oil SAE 50 Valvoline HD Synthetic Gear Oil EP 75W-90 Valvoline HD Synthetic Gear Oil EP 80W-140	Transmission Drive Axle Drive Axle (Vocational)
Volvo Trucks Canada 5600A Cancross Ct. Mississauga, ON L5R 3E9	Roadranger SAE 50 Roadranger 75W-90	Transmission Drive Axle

Other Approved Lubricants Marketers of approved fluids meeting the Eaton and Dana Extended Drain Specifications.

SUPPLIER	PRODUCT	USE
Chevron Products Company 6001 Bollinger Canyon Road San Ramon, CA 94583-0729	Chevron Delo Synthetic Transmission Fluid SAE 50 Chevron Delo Synthetic Gear Lube 75W-90	Transmission Drive Axle
Imperial Oil 237 Fourth Ave S.W. Calgary, AB T2P 3M9	Mobil Delvac Synthetic Transmission Fluid 50 Mobil Delvac Synthetic Gear Oil 75W-90 Mobil Delvac Synthetic Gear Oil 80W-140	Transmission Drive Axle Drive Axle (Vocational)
Mtrlube International Calgary, AB T2E 2L5	Roadranger SAE 50 Roadranger 75W-90 Roadranger 80W-140	Transmission Drive Axle Drive Axle (Vocational)

Approved Lubricant Suppliers – Mexico

“Genuine Roadranger” Lubricants

Approved Lubricants: PS 164 Rev 7 (Trans); SHAES 256 Rev C (Axle/Line Haul); SHAES 429 (Axle/Vocational)

SUPPLIER	PRODUCT	USE
Eaton Corporation Roadranger Synthetic Lubricants P.O. Box 4013 Kalamazoo, MI 49003-4013	Roadranger SAE 50 Roadranger EP 75W-90 Roadranger FE 75W-90 (Fuel Efficient) Roadranger EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Bardahl de Mexico S.A. de C.V.	Bardahl Gear Oil Fully Syn SAE 50 Bardahl Gear Oil Fully Syn GL-5 SAE 75W-90 Bardahl Gear Oil Fully Syn SAE 80-140	Transmission Drive Axle Drive Axle (Vocational)
Cognis Mexicano S.A. de C.V. Calz. De la Viga s/n Col. Los Laureles Ecatepec, Estado de Mexico 55090	Roadranger SAE 50 Roadranger EP 75W-90 Roadranger FE 75W-90 (Fuel Efficient) Roadranger EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Commercial Importadora, S.A. de C.V. Corporate Headquarters Gonzalez Comarens No. 400 Santa Fe, Mexico 01210	Q.S. Synquest CD-50	Transmission
Comercial Roshfrans, S.A. de C.V. AV Othon de Mendizabal Ote. 484 Col. Nueva Industrial Vallejo Mexico, D.F. 07700 MEXICO	Aceite Gear Plus CD 50 Aceite Gear Max SAE 80W-140	Transmission Drive Axle
Gulf Oil International	Gulf Syngear LL 50 Gulf Syngear HD 75W-90 Gulf Syngear FE 75W-90 (Fuel Efficient) Gulf Syngear HD 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
International Truck & Engine Corp. 5 Westbrook Corporate Center Westchester, IL 60154	Fleetrite Synthetic SAE 50 Transmission Oil Fleetrite Synthetic 75W-90 Gear Oil Fleetrite 80W-140 Gear Oil	Transmission Drive Axle Drive Axle (Vocational)
Mexicana de Lubricantes S.A. de C.V. Av. 8 de Julio 2270 Zona Industrial Guadalajara, Jalisco Mexico 44940	Akron Vector S MTF SAE 50 Akron Vector H Axle 80W-140	Drive Axle (Vocational) Drive Axle (Vocational)
Paccar Parts 750 Houser Way North Renton, WA 98055	Kenworth SAE 50 Original Factory Fill Fluid Kenworth 75W-90 Original Factory Fill Fluid Kenworth FE 75W-90 (Fuel Efficient) Kenworth EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Paccar Parts 750 Houser Way North Renton, WA 98055	Peterbilt SAE 50 Original Factory Fill Fluid Peterbilt 75W-90 Original Factory Fill Fluid Peterbilt FE 75W-90 (Fuel Efficient) Peterbilt EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Pennzoil P.O. Box 4427 Houston, TX 77210	Pennzoil Long Life Transmission Fluid EW-50 Pennzoil Long Life Syn Gear EW 75W-90 (Fuel Efficient) Pennzoil Long Life EW 75W-90 Pennzoil Long Life EW 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Raloy Lubricantes S.A. de C.V. Apdo Postal 43/Av. Del Convento 111 Parque Industrial Santiago Tianguistenco Mexico 52600	Raloy Transintex Plus SAE 50 Raloy Transintex Plus EP 75W-90 Raloy Transintex Plus EP 80W-140	Transmission Drive Axle Drive Axle (Vocational)

Approved Lubricant Suppliers – Mexico

“Genuine Roadranger” Lubricants

Approved Lubricants: PS 164 Rev 7 (Trans); SHAES 256 Rev C (Axle/Line Haul); SHAES 429 (Axle/Vocational)

SUPPLIER	PRODUCT	USE
Shell International Petroleum Company LTD. P.O. Box 4427 Houston, TX 77210	Shell SPIRAX®GSX SAE 50 Shell SPIRAX® S6 GME 50 Shell SPIRAX® ASX R 75W-90 (Fuel Efficient) Shell SPIRAX® S6 AXRME 75W-90 (Fuel Efficient) Shell SPIRAX® EW 75W-90 Shell SPIRAX® EW 80W-140 Shell SPIRAX® ASX 80W-140 Shell SPIRAX® S6 AXME 80W-140	Transmission Transmission Drive Axle Drive Axle Drive Axle Drive Axle (Vocational) Drive Axle (Vocational) Drive Axle (Vocational)
Synergy Additives Company S.A. de C.V. Calle 7 #289 Colonia Aldana C.P. 02910 Mexico DF	Synergy Syntech 50 Synergy Syntech 75W-90 Synergy Syntech 80W-140	Transmission Drive Axle Drive Axle (Vocational)

Other Approved Lubricants Marketers of approved fluids meeting the Eaton and Dana Extended Drain Specifications.

SUPPLIER	PRODUCT	USE
ExxonMobil Lubricants & Specialties 3225 Gallows Road Fairfax, VA 22037	Mobil Delvac Synthetic Transmission Fluid 50 Mobil Delvac Synthetic Gear Oil 75W-90 Mobil Delvac Synthetic Gear Oil 80W-140	Transmission Drive Axle Drive Axle (Vocational)
Productos Chevron Texaco Mexico, S. de R.L. de C.V. Blvd. Manuel A. Camacho #36/20th Floor Lomas de Chapultepec, Mexico City, 11000	Texaco Ursa Synthetic TL50 Chevron DELO Synthetic Transmission Fluid SAE 50 Chevron DELO Synthetic Gear Lube 75W-90	Transmission Drive Axle

Approved Lubricant Suppliers – South America

“Genuine Roadranger” Lubricants

Approved Lubricants: PS 164 Rev 7 (Trans); SHAES 256 Rev C (Axle/Line Haul); SHAES 429 (Axle/Vocational)

SUPPLIER	PRODUCT	USE
Cognis Brazil Ltda. Av. Das Nações Unidas 10.989 - 4º andar 04578000 São Paulo SP Brazil	Roadranger SAE 50 Roadranger EP 75W-90 Roadranger FE 75W-90 (Fuel Efficient) Roadranger EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Cognis Brazil Ltda. Av. Das Nações Unidas 10.989 - 4º andar 04578000 São Paulo SP Brazil	Emgard SAE-50 Synthetic Transmission Lube Emgard 75W-90 Synthetic Axle Lube Emgard FE 75W-90 Synthetic Axle Lube (Fuel Efficient) Emgard EP 80W-140 Synthetic Axle Lube	Transmission Drive Axle Drive Axle Drive Axle (Vocational)

Approved Lubricant Suppliers – Australia/ New Zealand

“Genuine Roadranger” Lubricants

Approved Lubricants: PS 164 Rev 7 (Trans); SHAES 256 Rev C (Axle/Line Haul); SHAES 429 (Axle/Vocational)

SUPPLIER	PRODUCT	USE
Eaton Corporation Roadranger Synthetic Lubricants P.O. Box 4013 Kalamazoo, MI 49003-4013	Roadranger SAE 50 Roadranger EP 75W-90 Roadranger FE 75W-90 (Fuel Efficient) Roadranger EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Anglo Design Pty Ltd P.O. Box 62 Mount Kuring-gai, NSW 2080	Anglomoil Road Master Gear 50-S	Transmission
BP Oil New Zealand Limited BP House 20 Customhouse Quay Wellington, New Zealand	Transmission Oil S-CD50	Transmission
Caltex Oil PTY LTD 167-187 Kent Street Sidney, New South Wales, 2001 Australia	Delo Synthetic Transmission Fluid SAE 50 SYNSTAR GL 75W/90	Transmission Drive Axle
Castrol Australia PTY LTD P.O. Box 100 Guilford, New South Wales, 2161 Australia	SYNDRIVE 50 E SYNTRAX E 80W-140 SYNTRANS 50E	Transmission Drive Axle Transmission
Cognis Australia Pty. Ltd. 4 Saligna Drive Tullamarine, VIC, 3043	Emgard SAE50 Synthetic Transmission Lube Emgard 75W-90 Synthetic Axle Lube Emgard FE 75W-90 Synthetic Axle Lube (Fuel Efficient) Emgard EP 80W-140 Synthetic Axle Lube	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Fuchs Lubricants Australia	Titan Gear Syn 50 Titan Gear Synthetic 80W-140	Transmission Drive Axle (Vocational)
Mobil Oil Australia PTY LTD Dockside, 29 Francis Street Yarraville, Melbourne, Victoria 3013 Australia	Mobilube SHC 75W-90	Drive Axle
Penrite Oil Company PTY LTD Melbourne, Australia	Penrite Synfleet 50	Transmission
Shell Company of Australia LTD	Shell SPIRAX®GSX SAE 50 Shell SPIRAX® S6 GME 50 Shell SPIRAX® ASX R 75W-90 (Fuel Efficient) Shell SPIRAX® S6 AXRME 75W-90 (Fuel Efficient) Shell SPIRAX® ASX 80W-140 Shell SPIRAX® S6 AXME 80W-140	Transmission Transmission Drive Axle Drive Axle Drive Axle (Vocational) Drive Axle (Vocational) Drive Axle (Vocational)
Valvoline Australia PTY LTD 30 Davis Road Wetherill Park, NSW 2164	Valvoline H.D. Synthetic Transmission Fluid SAE 50 Valvoline H.D. Synthetic Gear Oil 75W-90 Valvoline H.D. Synthetic Gear Oil 80W-140	Transmission Drive Axle Drive Axle (Vocational)

Approved Lubricant Suppliers – India

“Genuine Roadranger” Lubricants

Approved Lubricants: PS 164 Rev 7 (Trans); SHAES 256 Rev C (Axle/Line Haul); SHAES 429 (Axle/Vocational)

SUPPLIER	PRODUCT	USE
Eaton Corporation Roadranger Synthetic Lubricants P.O. Box 4013 Kalamazoo, MI 49003-4013	Roadranger SAE 50 Roadranger EP 75W-90 Roadranger FE 75W-90 (Fuel Efficient) Roadranger EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Cognis GmbH Liaison Office 701 Regent Chambers Narimon Point Mumbai - 40021, India	Roadranger SAE 50 Roadranger EP 75W-90 Roadranger FE 75W-90 (Fuel Efficient) Roadranger EP 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)
Gulf Oil International	Gulf Syngear LL 50 Gulf Syngear HD 75W-90 Gulf Syngear FE 75W-90 (Fuel Efficient) Gulf Syngear HD 80W-140	Transmission Drive Axle Drive Axle Drive Axle (Vocational)

Change Control Log

LAST REVISED DATE	DESCRIPTION OF CLARIFICATIONS AND UPDATES
10/01/2010	Added and removed Lubricants
5/13/2010	Added and removed some United States and Canada Approved Lubricant Suppliers
3/2/2010	Added and removed some United States Approved Lubricant Suppliers
3/2/2010	Added Commerical Roshfrans to Approved Mexico Lubricant Suppliers
12/17/2009	Minor updates to US, Canada, and Mexico Lubricant Supplier Lists
6/17/2009	Minor updates to Mexico, Canada, and India Approved Lubricants
5/6/2009	Add new Mexico supplier
4/20/2009	Update Approved Lubricants - United States list
3/5/2009	Added India Approved Lubricant Suppliers and updated other Approved Lubricant tables
11/10/2008	Included SHAES 429 and added new suppliers to US and Canada sections
5/27/2008	Updated domestic lubricant suppliers and products.
5/2//2008	Removed redundant information under "Introduction to Manual."
9/26/07	Added Lubricants USA as new supplier. Added Rosemead Oil Products as new supplier.
4/2/07	Included PS 164 Rev 7 or SHAES 256 Rev C information.
2/21/07	Added David Weber Oil Co. to United States Other Approved Lubricants. Added Valvoline Australia to Genuine Roadranger Lubricants.
1/10/07	Added Ultramar Ltd axle lube to Canada's Genuine Roadranger Lubricants.
12/13/06	Updated domestic lubricant suppliers products.
3/31/06	Separated approved suppliers into categories.
1/30/06	Australia & New Zealand Supplier Added.

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