# Eaton Approved Lubricant Suppliers TCMT0020

October 2010

Roadranger

EATON
Powering Business Worldwide

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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 enclosed charts 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 TCMT-0021.

## 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 | 500,000 Miles |

**Drive Axle**

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

Roadranger®

DANA | EATON

Genuine Lubricants

## Lubrication Intervals

### Line Haul - 500,000 Mile Extended Lube Drain Interval

The extended drain interval program applies to the Eaton/Dana transmissions and 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, TCWY-0900, 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 Lubricants - United States
## “Genuine Roadranger” Lubricants

| USA | | |
|---|---|---|
| APPROVED LUBRICANTS - UNITED STATES "GENUINE ROADRANGER" LUBRICANTS | | |
| SUPPLIER | PRODUCT | USE |
| Eaton Corporation<br>Roadranger Synthetic Lubricants<br>P.O. Box 4013<br>Kalamazoo, MI 49003-4013 | Roadranger SAE 50<br>Roadranger EP 75W-90<br>Roadranger FE 75W-90 (Fuel Efficient)<br>Roadranger EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Allied Oil & Supply Company<br>P.O. Box 3687<br>Omaha, NE 68103 | Allied Mag Synthetic 50<br>Allied Mag Synthetic EP 75W-90<br>Allied Mag Synthetic EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| American Refining Group<br>77 North Kendall Avenue<br>Bradford, PA 16701 | Roadranger SAE 50<br>Roadranger EP 75W-90<br>Roadranger EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| BP Lubricants USA, Inc.<br>1500 Valley Road<br>Wayne, NJ 07470 | Syn-Gear CD-50<br>Syn-Gear 75W-90<br>Syn-Gear 80W-140<br>Syntrans 50E<br>Syntrax E 75W-90<br>Syntrax E 80 W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational)<br>Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Benz Oil<br>2724 West Hampton<br>Milwaukee, WI 53209 | Roadranger SAE 50<br>Roadranger EP 75W-90<br>Roadranger EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Chemtool Inc.<br>P.O. Box 538<br>Crystal Lake, IL 60039-0538 | Roadranger SAE 50<br>Roadranger EP 75W-90<br>Roadranger EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| CHS, Inc.<br>5500 Cenex Drive<br>Inver Grove Heights, MN 55077 | Maxtron MT SAE 50<br>Maxtron GL SAE 75W-90<br>Maxtron GL SAE 75W-90 (Fuel Efficient)<br>Maxtron GL SAE 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Cognis Corporation<br>5051 Estecreek Drive<br>Cincinnati, OH 45232 | Emgard SAE50 Synthetic Transmission Lube<br>Emgard 75W-90 Synthetic Axle Lube<br>Emgard FE 75W-90 Synthetic Axle Lube (Fuel Efficient)<br>Emgard EP 80W-140 Synthetic Axle Lube | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| ConocoPhillips Company<br>600 North Dairy Ashford Road<br>Houston, TX 77079 | Kendall SHP® Synthetic Transoil 50<br>Kendall SHP® Synthetic Gear Lube 75W-90 | Transmission<br>Drive Axle |
| ConocoPhillips Company<br>600 North Dairy Ashford Road<br>Houston, TX 77079 | Triton Synthetic® Transoil 50<br>Triton Synthetic® Gear Lube 75W-90<br>Triton Synthetic® Gear Lube 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |

| USA | | |
|---|---|---|
| **APPROVED LUBRICANTS - UNITED STATES "GENUINE ROADRANGER" LUBRICANTS** | | |
| **SUPPLIER** | **PRODUCT** | **USE** |
| Crane Carrier Co.<br>1919 North Sheridan<br>Tulsa, OK 74115 | Roadranger SAE 50<br>Roadranger EP 75W-90<br>Roadranger FE 75W-90 (Fuel Efficient)<br>Roadranger EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| CountryMark Cooperative LLP<br>5009 West 81st St<br>Indianapolis, IN 46268 | Advantage Full Synthetic 75W-90<br>Advantage Full Synthetic 80W-140<br>Advantage Full Synthetic SAE 50 | Drive Axle<br>Drive Axle (Vocational)<br>Transmission |
| Daimler Truck N.A.<br>4747 N. Channel Avenue<br>Portland, OR 97217-7699 | Roadranger SAE 50<br>Roadranger EP 75W-90<br>Roadranger FE 75W-90 (Fuel Efficient)<br>Roadranger EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| General Motors Service Parts<br>6200 Grand Point Drive<br>Grand Blanc, MI 48439 | Synthetic Manual Transmission Lubricant #12345724<br>Synthetic Axle Lubricant #12345841 | Transmission<br>Drive Axle |
| International Truck & Engine Corp.<br>5 Westbrook Corporate Center<br>Westchester, IL 60154 | Fleetrite Synthetic SAE 50 Transmission Oil<br>Fleetrite Synthetic 75W-90 Gear Oil<br>Fleetrite Synthetic 80W-140 Gear Oil | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Marathon Petroleum LLC<br>5009 West 81st St<br>Indianapolis, IN 46268 | Marathon Full Synthetic 75W-90<br>Marathon Full Synthetic 80W-140<br>Marathon Full Synthetic SAE 50 | Drive Axle<br>Drive Axle (Vocational)<br>Transmission |
| Paccar Parts<br>750 Houser Way North<br>Renton, WA 98055 | Kenworth SAE 50 Original Factory Fill Fluid<br>Kenworth 75W-90 Original Factory Fill Fluid<br>Kenworth FE 75W-90 (Fuel Efficient)<br>Kenworth EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Paccar Parts<br>750 Houser Way North<br>Renton, WA 98055 | Peterbilt SAE 50 Original Factory Fill Fluid<br>Peterbilt 75W-90 Original Factory Fill Fluid<br>Peterbilt FE 75W-90 (Fuel Efficient)<br>Peterbilt EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Pennzoil<br>P.O. Box 4427<br>Houston, TX 77210 | Pennzoil Long Life Transmission Fluid EW-50<br>Pennzoil Long Life Syn Gear EW 75W-90 (Fuel Efficient)<br>Pennzoil Long Life EW 75W-90<br>Pennzoil Long Life EW 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Pinnacle Oil, Inc.<br>5009 West 81st St<br>Indianapolis, IN 46268 | National Full Synthetic 75W-90<br>National Full Synthetic 80W-140<br>National Full Synthetic SAE 50 | Drive Axle<br>Drive Axle (Vocational)<br>Transmission |
| Rosemead Oil Products<br>12402 Los Nietos Road<br>Sante Fe Springs, CA 90670 | Premium Express SAE 75W-90 Gear Oil | Transmission |

| USA | | |
|---|---|---|
| **APPROVED LUBRICANTS - UNITED STATES "GENUINE ROADRANGER" LUBRICANTS** | | |
| **SUPPLIER** | **PRODUCT** | **USE** |
| Schaeffer Manufacturing Company<br>102 Barton Street<br>St. Louis, MO 63104 | Schaeffer 742 Synthetic Lube 50W E/A<br>Schaeffer 741 Synthetic Lube 70W-90 E/A<br>Schaeffer 740 Synthetic Lube 80W-140 E/A | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Sea Land<br>868 Corporate Way<br>West Lake, OH 44145 | Roadranger SAE 50<br>Roadranger EP 75W-90<br>Roadranger EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Shell Lubricants<br>P.O. Box 4427<br>Houston, TX 77210 | Shell SPIRAX® GSX SAE 50<br>Shell SPIRAX® ASX R 75W-90 (Fuel Efficient)<br>Shell SPIRAX® EW 75W-90<br>Shell SPIRAX® EW 80W-140<br>Shell SPIRAX® ASX 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational)<br>Drive Axle (Vocational) |
| Texas Refinery Corporation<br>901 North Houston Street<br>Fort Worth, TX 76106 | Syntex 2000<br>Syntex 2700 SAE 75W-90 | Transmission<br>Drive Axle |
| Total Lubricants USA Southwest, LLC<br>400 Chisholm Place<br>Suite 418<br>Plano, TX 75075 | Transmission SYN 50<br>Transmission XRD FE 75W-90 (Fuel Efficient)<br>Transmission SYN NA 75W-90<br>Transmission SYN NA 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Valvoline, Inc.<br>A Subsidiary of Ashland Oil, Inc.<br>3499 Blazer Parkway<br>Lexington, KY 40512 | Valvoline HD Synthetic Trans Oil SAE 50<br>Valvoline HD Synthetic Gear Oil EP 75W-90<br>Valvoline HD Synthetic Gear Oil EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Volvo Trucks North America<br>7900 National Service Rd<br>Greensboro, NC 27409 | Roadranger SAE 50<br>Roadranger EP 75W-90<br>Roadranger FE 75W-90 (Fuel Efficient)<br>Roadranger EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |

## Other Approved Lubricants - United States

Marketers of approved fluids meeting the Eaton and Dana Extended Drain Specifications

| USA | | |
|---|---|---|
| OTHER APPROVED LUBRICANTS - UNITED STATES | | |
| SUPPLIER | PRODUCT | USE |
| American AGIP<br>539 Marwood Road<br>Cabot, PA 16023 | Syntrans CD-50<br>Syngear EP 75W-90<br>AGIP Syngear EP 5/6 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Chevron Products Company<br>6001 Bollinger Canyon Road<br>San Ramon, CA 94583-0729 | Chevron Delo Synthetic Transmission Fluid SAE 50<br>Chevron Delo Synthetic Gear Lube 75W-90 | Transmission<br>Drive Axle |
| Citgo Petroleum Corporation<br>P.O. Box 3758<br>One Warren Place<br>Tulsa, OK 74102 | Citgo Synthetic Gear Lube CD 50<br>Citgo Synthetic Gear Lube 75W/90<br>Citgo Synthetic Gear Lube 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| David Weber Oil Co.<br>601 Industrial Road<br>Calstadt, NJ 07072 | Gibraltar Synthetic Gear Lube CD 50<br>Gibraltar Synthetic Gear Lube 75W-90<br>Gibraltar Synthetic Gear Lube 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| ExxonMobil Lubricants & Specialties<br>3225 Gallows Road<br>Fairfax, VA 22037 | Mobil Delvac Synthetic Transmission Fluid 50<br>Mobil Delvac Synthetic Gear Oil 75W-90<br>Mobil Delvac Synthetic Gear Oil 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Industrial Oils Unlimited<br>P.O. Box 3066<br>Tulsa, OK 74101 | Hi-Tek Synthetic SAE 50<br>Hi-Tek Synthetic SAE 75W-90<br>Hi-Tek Synthetic SAE 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Lubricant Engineers, Inc<br>1919 E. Tulsa St<br>Wichita, KS 67216 | SYNOLEC SAE 50 (650)<br>SYNOLEC 75W-90 (9921)<br>SYNOLEC 80W-140 (9922) | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Mack Truck Company<br>7900 National Service Rd<br>Greensboro, NC 27409 | Bulldog Syn Trans Lube SAE 50<br>Bulldog Syn Gear Lube SAE 75W-90 | Transmission<br>Drive Axle |
| Mystik Lubricants<br>Houston, TX | SX-7000 50<br>SX-7000 75W-90<br>SX-7000 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Northland Products Company<br>P.O. Box 418<br>100 Rainbow Drive<br>Waterloo, IA 50701 | Northland Synergy Synthetic Trans Fluid 50W<br>Northland Synergy Synthetic Gear Lube EP 70W-90<br>Northland Synergy Synthetic Gear Lube EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Royal MFG Company LP<br>516 South 25th West Avenue<br>Tulsa, OK 74101 | Monarch SynGear Plus SAE 50<br>Monarch SynGear Plus SAE 75W-90<br>Monarch SynGear Plus SAE 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |

| USA | | |
|---|---|---|
| **OTHER APPROVED LUBRICANTS - UNITED STATES** | | |
| **SUPPLIER** | **PRODUCT** | **USE** |
| Warren Oil Company, Inc.<br>434 Riverside Drive<br>San Antonio, TX 78210 | Autoguard Fleet Synthetic SAE 50<br>Autoguard Fleet Synthetic 75W-90<br>Autoguard Fleet Synthetic 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Warren Oil Company, Inc.<br>434 Riverside Drive<br>San Antonio, TX 78210 | Lubriguard Heavy Duty Synthetic SAE 50<br>Lubriguard Heavy Duty Synthetic 75W-90<br>Lubriguard Heavy Duty Synthetic 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Warren Oil Company, Inc.<br>434 Riverside Drive<br>San Antonio, TX 78210 | Service Pro Synthetic SAE 50<br>Service Pro Synthetic 75W-90<br>Service Pro Synthetic 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Volvo Trucks North America<br>7900 National Service Rd<br>Greensboro, NC 27409 | Volve Synthetic Transmission Fluid<br>Volvo Synthetic Gear Oil 75W-90 | Transmission<br>Drive Axle |

## International Approved Lubricant Suppliers - Canada

## Roadranger Branded Lubricants

| SUPPLIER | PRODUCT | USE |
|---|---|---|
| Eaton Corporation<br>Roadranger Synthetic Lubricants<br>P.O. Box 4013<br>Kalamazoo, MI 49003-4013 | Roadranger SAE 50<br>Roadranger EP 75W-90<br>Roadranger FE 75W-90 (Fuel Efficient)<br>Roadranger EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |

## “Genuine Roadranger” Lubricants

| Canada | | |
|---|---|---|
| **SUPPLIER** | **PRODUCT** | **USE** |
| 1 Verco International Inc. (formerly April Super Flo)<br>9 Rue Beland<br>I’isle - Vert, QC GOL 1KO | Superpro Syn-Trans CE-50<br>Superpro Syn Gear 75W-90 | Transmission<br>Drive Axle |
| Castrol Heavy Duty Lubricants, Inc. | Syn-Gear CD-50<br>Syn-Gear 75W-90<br>Syn-Gear 80W-140<br>Syntrans 50 E<br>Syntrax E 75W-90<br>Syntrax E 80 W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational)<br>Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Federated Co-operatives Ltd.<br>Regina, Saskatchewan S4N7L5<br>Canada | Sonic MP Gear Oil 75W-90 | Drive Axle |
| Fuchs Lubricants Canada LTD<br>19829-99A<br>Langley, British Columbia, V1M 3G4 | Titan Syndrive 50<br>Titan Syndrive 75W90 | Transmission<br>Drive Axle |
| Gulf Oil International | Gulf Syngear LL 50<br>Gulf Syngear HD 75W-90<br>Gulf Syngear FE 75W-90 (Fuel Efficient)<br>Gulf Syngear HD 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Irving Oil Limited<br>Saint John, New Brunswick<br>Canada E2L 4K1 | IDO Synthetic 50<br>HDH Synthetic 75W-90 | Transmission<br>Drive Axle |
| Mack Trucks Canada<br>5600A Cancross Ct<br>Mississauga, ON L5R 3E9 | Roadranger SAE 50<br>Roadranger 75W-90 | Transmission<br>Drive Axle |
| NemCo Resources Limited<br>25 Midland Street<br>Wimmipeg, MB R3E 3J6 | NEMCO Syntrans 50<br>NEMCO Syngear 75W-90 | Transmission<br>Drive Axle |

| Canada | | |
|---|---|---|
| **SUPPLIER** | **PRODUCT** | **USE** |
| Pennzoil<br>P.O. Box 4427<br>Houston, TX 77210 | Pennzoil Long Life Transmission Fluid EW-50<br>Pennzoil Long Life Syn Gear EW 75W-90 (Fuel Efficient)<br>Pennzoil Long Life EW 75W-90<br>Pennzoil Long Life EW 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Petro-Canada<br>Lubricants Centre<br>2489 North Sheridan Way<br>Mississauga, Ontario L5K 1A8 | Traxon E CD50<br>Traxon E Synthetic 75W-90<br>Traxon E Synthetic 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Total Lubricants Canada<br>220 Avenue Lafleur<br>Ville La Salle, Quebec H8R 4C9 | Transmission SYN SAE 50<br>Transmission SYN FE 75W-90 (Fuel Efficient)<br>Transmission SYN NA 75W-90<br>Transmission SYN NA 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Shell Canada Products<br>400 - 4th Avenue SW<br>P.O. Box 100, Station M<br>Calgary, Alberta T2P 2H5 | Shell SPIRAX® GSX SAE 50<br>Shell SPIRAX® ASX R 75W-90 (Fuel Efficient)<br>Shell SPIRAX® EW 75W-90<br>Shell SPIRAX® EW 80W-140<br>Shell SPIRAX® ASX 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational)<br>Drive Axle (Vocational) |
| Ultramar Ltd.<br>2200 McGill College<br>Montreal, QC H3A 3L3 | Ultramar Synthetic SAE 50<br>Ultramar Synthetic 75W-90 | Transmission<br>Drive Axle |
| Valvoline, Inc.<br>A Subsidiary of Ashland Oil, Inc.<br>3499 Blazer Parkway<br>Lexington, KY 40512 | Valvoline HD Synthetic Trans Oil SAE 50<br>Valvoline HD Synthetic Gear Oil EP 75W-90<br>Valvoline HD Synthetic Gear Oil EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Volvo Trucks Canada<br>5600A Cancross Ct.<br>Mississuaga, ON L5R 3E9 | Roadranger SAE 50<br>Roadranger 75W-90 | Transmission<br>Drive Axle |

## Other Approved Lubricants -

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

| Canada | | |
|---|---|---|
| **SUPPLIER** | **PRODUCT** | **USE** |
| Chevron Products Company<br>6001 Bollinger Canyon Road<br>San Ramon, CA 94583-0729 | Chevron Delo Synthetic Transmission Fluid SAE 50<br>Chevron Delo Synthetic Gear Lube 75W-90 | Transmission<br>Drive Axle |

| Canada | | |
|---|---|---|
| **SUPPLIER** | **PRODUCT** | **USE** |
| Imperial Oil<br>237 Fourth Ave S.W.<br>Calgary, AB T2P 3M9 | Mobil Delvac Synthetic Transmission Fluid 50<br>Mobil Delvac Synthetic Gear Oil 75W-90<br>Mobil Delvac Synthetic Gear Oil 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Mtrlube International<br>Calgary, AB T2E 2L5 | Roadranger SAE 50<br>Roadranger 75W-90<br>Roadranger 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |

## International Approved Lubricant Suppliers - Mexico

## “Genuine Roadranger” Lubricants

| Mexico | | |
|---|---|---|
| **SUPPLIER** | **PRODUCT** | **USE** |
| Eaton Corporation<br>Roadranger Synthetic Lubricants<br>P.O. Box 4013<br>Kalamazoo, MI 49003-4013 | Roadranger SAE 50<br>Roadranger EP 75W-90<br>Roadranger FE 75W-90 (Fuel Efficient)<br>Roadranger EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Bardahl de Mexico S.A. de C.V. | Bardahl Gear Oil Fully Syn SAE 50<br>Bardahl Gear Oil Fully Syn GL-5 SAE 75W-90<br>Bardahl Gear Oil Fully Syn SAE 80-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Cognis Mexicano S.A. de C.V.<br>Calz. De la Viga s/n Col. Los Laureles<br>Ecatepec, Estado de Mexico 55090 | Roadranger SAE 50<br>Roadranger EP 75W-90<br>Roadranger FE 75W-90 (Fuel Efficient)<br>Roadranger EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Commercial Importadora, S.A. de C.V.<br>Corporate Headquarters<br>Gonzalez Comarenz No. 400<br>Santa Fe, Mexico 01210 | Q.S. Synquest CD-50 | Transmission |
| Comercial Roshfrans, S.A. de C.V.<br>AV Othon de Mendizabal Ote. 484<br>Col. Nueva Industrial Vallejo<br>Mexico, D.F. 07700 MEXICO | Aceite Gear Plus CD 50<br>Aceite Gear Max SAE 80W-140 | Transmission<br>Drive Axle |
| Gulf Oil International | Gulf Syngear LL 50<br>Gulf Syngear HD 75W-90<br>Gulf Syngear FE 75W-90 (Fuel Efficient)<br>Gulf Syngear HD 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Mexicana de Lubricantes S.A. de C.V.<br>Av. 8 de Julio 2270<br>Zona Industrial<br>Guadalajara, Jalisco<br>Mexico 44940 | Akron Vector S MTF SAE 50<br>Akron Vector H Axle 80W-140 | Drive Axle (Vocational)<br>Drive Axle (Vocational) |
| Paccar Parts<br>750 Houser Way North<br>Renton, WA 98055 | Kenworth SAE 50 Original Factory Fill Fluid<br>Kenworth 75W-90 Original Factory Fill Fluid<br>Kenworth FE 75W-90 (Fuel Efficient)<br>Kenworth EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Paccar Parts<br>750 Houser Way North<br>Renton, WA 98055 | Peterbilt SAE 50 Original Factory Fill Fluid<br>Peterbilt 75W-90 Original Factory Fill Fluid<br>Peterbilt FE 75W-90 (Fuel Efficient)<br>Peterbilt EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |

| Mexico | | |
|---|---|---|
| **SUPPLIER** | **PRODUCT** | **USE** |
| Pennzoil<br>P.O. Box 4427<br>Houston, TX 77210 | Pennzoil Long Life Transmission Fluid EW-50<br>Pennzoil Long Life Syn Gear EW 75W-90 (Fuel Efficient)<br>Pennzoil Long Life EW 75W-90<br>Pennzoil Long Life EW 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Raloy Lubricantes S.A. de C.V.<br>Apdo Postal 43/Av. Del Convento 111<br>Parque Industrial<br>Santiago Tianguistenco<br>Mexico 52600 | Raloy Transintex Plus SAE 50<br>Raloy Transintex Plus EP 75W-90<br>Raloy Transintex Plus EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Shell<br>P.O. Box 4427<br>Houston, TX 77210 | Shell SPIRAX® GSX SAE 50<br>Shell SPIRAX® ASX R 75W-90 (Fuel Efficient)<br>Shell SPIRAX® EW 75W-90<br>Shell SPIRAX® EW 80W-140<br>Shell SPIRAX® ASX 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational)<br>Drive Axle (Vocational) |
| Synergy Additives<br>Company S.A. de C.V.<br>Calle 7 #289<br>Colonia Aldana<br>C.P. 02910<br>Mexico DF | Synergy Syntech 50<br>Synergy Syntech 75W-90<br>Synergy Syntech 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |

## Other Approved Lubricants -

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

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

# International Approved Lubricant Suppliers - Australia & New Zealand

## Roadranger Branded Lubricants

| SUPPLIER | PRODUCT | USE |
|---|---|---|
| Eaton Corporation<br>Roadranger Synthetic Lubricants<br>P.O. Box 4013<br>Kalamazoo, MI 49003-4013 | Roadranger SAE 50<br>Roadranger EP 75W-90<br>Roadranger FE 75W-90 (Fuel Efficient)<br>Roadranger EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |

## "Genuine Roadranger" Lubricants

| Australia & New Zealand | | |
|---|---|---|
| **SUPPLIER** | **PRODUCT** | **USE** |
| Anglo Design Pty Ltd<br>P.O. Box 62<br>Mount Kuring-gai, NSW 2080 | Anglomoil Road Master Gear 50-S | Transmission |
| BP Oil New Zealand Limited<br>BP House<br>20 Customhouse Quay<br>Wellington, New Zealand | Transmission Oil S-CD50 | Transmission |
| Caltex Oil PTY LTD<br>167-187 Kent Street<br>Sidney, New South Wales, 2001<br>Australia | SYNSTAR GL 50<br>SYNSTAR GL 75W/90 | Transmission<br>Drive Axle |
| Castrol Australia PTY LTD<br>P.O. Box 100<br>Guilford, New South Wales, 2161<br>Australia | SYNDRIVE 50 E<br>SYNTRAX E 80W-140<br>SYNTRANS 50E | Transmission<br>Drive Axle<br>Transmission |
| Fuchs Lubricants Australia | Titan Gear Syn 50 | Transmission |
| Fuchs Lubricants Australia | Tutela Gear XLD<br>Tutela Truck FE Axle | Transmission<br>Drive Axle |
| Mobil Oil Australia PTY LTD<br>Dockside, 29 Francis Street<br>Yarraville, Melbourne, Victoria 3013<br>Australia | Mobilube SHC 75W-90 | Drive Axle |
| Penrite Oil Company PTY LTD<br>Melbourne, Australia | Penrite Synfleet 50 | Transmission |
| Shell Company of Australia LTD | Shell SPIRAX® GSX SAE 50<br>Shell SPIRAX® ASX R 75W-90 (Fuel Efficient)<br>Shell SPIRAX® EW 80W-140<br>Shell SPIRAX® ASX 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational)<br>Drive Axle (Vocational) |

| Australia & New Zealand | | |
|---|---|---|
| **SUPPLIER** | **PRODUCT** | **USE** |
| Valvoline Australia PTY LTD<br>30 Davis Road<br>Wetherill Park, NSW 2164 | Valvoline H.D. Synthetic Transmission Fluid SAE 50<br>Valvoline H.D. Synthetic Gear Oil 75W-90<br>Valvoline H.D. Synthetic Gear Oil 80W-140 | Transmission<br>Drive Axle<br>Drive Axle (Vocational) |
| Gulf Oil International | Gulf Syngear LL 50<br>Gulf Syngear HD 75W-90<br>Gulf Syngear FE 75W-90 (Fuel Efficient)<br>Gulf Syngear HD 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |

## Approved Lubricants - India
## "Genuine Roadranger" Lubricants

Marketers of approved fluids meeting the Eaton and Dana Extended Drain Specifications

| SUPPLIER | PRODUCT | USE |
|---|---|---|
| Eaton Corporation<br>Roadranger Synthetic Lubricants<br>P.O. Box 4013<br>Kalamazoo, MI 49003-4013 | Roadranger SAE 50<br>Roadranger EP 75W-90<br>Roadranger FE 75W-90 (Fuel Efficient)<br>Roadranger EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Cognis GmbH Liaison Office<br>701 Regent Chambers<br>Narimon Point<br>Mumbai - 40021, India | Roadranger SAE 50<br>Roadranger EP 75W-90<br>Roadranger FE 75W-90 (Fuel Efficient)<br>Roadranger EP 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>Drive Axle (Vocational) |
| Gulf Oil International | Gulf Syngear LL 50<br>Gulf Syngear HD 75W-90<br>Gulf Syngear FE 75W-90 (Fuel Efficient)<br>Gulf Syngear HD 80W-140 | Transmission<br>Drive Axle<br>Drive Axle<br>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.<br>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.<br>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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In Mexico, call 001-800-826-4357.

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