

Geareducer® Lubricants

It is critical to the operational life of a transmission to utilize a satisfactory lubricant that includes the correct viscosity grade and additives. Additionally, it should be within the specific limitations of contaminants and fill volume throughout the machine's lifetime. Below, are general descriptions of specific lubricants commercially available for use in Marley Geareducers. Refer to the relevant Geareducer user manuals for further information regarding lubricant maintenance.

The attached table lists several mineral oils that are in accordance with the most recent edition of AGMA 9005 requirements for rust and oxidation inhibited gear oils. The synthetic listings, according to the manufacturers, meet the requirements for severe duty use, however, only Marley Gearlube™ satisfies the requirements of a Marley 5-Year Warranty. If lubricants, other than those listed, are used, they must not contain any additives—such as detergents or E.P. additives—which are adversely affected by moisture and could reduce the service life of the Geareducer.



Normal Duty Mineral Oil - Less than 110° F (44° C) Ambient Conditions at Geareducer

Lubricants shall be turbine type mineral oil. These oils should be oxidation, corrosion and rust inhibited, anti-foam treated and should have good demulsification characteristics. Marley Geareducers are designed in such a manner that the use of lubricants containing E.P. additives are neither required nor recommended.

Synthetic, High Temperature or Severe Duty

Lubricants shall be synthesized hydrocarbon (synthetic) oil. These lubricants shall be compatible with the following elastomeric materials: fluorocarbon, polyacrylate, polyurethane, silicone, ethylene/acrylic, chlorinated polyethylene, polysulfide and Buna N. The oils should be wax free, oxidation, corrosion and rust inhibited, antifoam treated and should have good demulsification characteristics. Marley Geareducers are designed in such a manner that the use of lubricants containing E.P. additives are neither required nor recommended.

| Supplier | ISO 150 | ISO 220 |
|----------------------------------|------------------------------|------------------------------|
| Normal Duty - Mineral Oil | | |
| SPX Cooling Technologies, Inc. | Mineral Turbine Type ISO 150 | Mineral Turbine Type ISO 220 |
| Ashland Inc. | Valvoline R&O 150 | Valvoline R&O 220 |
| BP Lubricants | Turbinol HL-C150 | Turbinol HL-C 220 |
| Chevron USA, Inc. | Regal R&O 150 | Regal R&O 220 |
| Citgo Petroleum Corp. | Pacemaker 150 | Pacemaker 220 |
| Citgo Petroleum Corp. | Pacemaker T-150 | n/a |
| ConocoPhillips | Multipurpose R&O 150 | Multipurpose R&O 220 |
| ExxonMobil Corp. | DTE Oil Extra Heavy | DTE Oil BB |
| ExxonMobil Corp. | Teresstic 150 | Teresstic 220 |
| Lubrication Engineers Inc. | Monolec 6404 | Monolec 6405 |
| Petronas | GearSTR 150 | GearSTR 220 |
| Shell | Morlina 150 | Morlina 220 |
| Shell | n/a | Morlina SD 220 |
| Total | n/a | Carter VP/CS 220 |
| Severe Duty - Synthetic | | |
| SPX Cooling Technologies, Inc. | Marley Gearlube ISO 150 | Marley Gearlube ISO 220 |
| Chevron USA, Inc. | Clarity 150 Synthetic | Clarity 220 Synthetic |
| Citgo | Citgear Synthetic HT 150 | Citgear Synthetic HT 220 |
| ConocoPhillips | Syncon R&O 150 | Syncon R&O 220 |
| ExxonMobil Corp. | SHC 629 | SHC 630 |
| Shell | Omala RL 150 | Omala RL 220 |

Commercially available lubricants with manufacturer claims of compatibility.

SPX COOLING TECHNOLOGIES, INC.

7401 WEST 129 STREET
 OVERLAND PARK, KS 66213 USA
 913 664 7400 | spxcooling@spx.com
spxcooling.com

SB-20 | ISSUED 11/2016

COPYRIGHT © 2016 SPX CORPORATION

In the interest of technological progress, all products are subject to design and/or material change without notice.

