

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 EP 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 EP 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 EP additives are neither required nor recommended.

Supplier	Product	ISO 150	ISO 220
Normal Duty - Mineral Oil			
SPX Cooling Technologies, Inc.	Marley	Mineral Turbine ISO 150	Mineral Turbine ISO 220
Chevron USA, Inc.	Regal R&O	Regal R&O 150	Regal R&O 220
Citgo Petroleum Corp.	Pacemaker Oils	Pacemaker 150	Pacemaker 220
ConocoPhillips	Multipurpose R&O Oil	Multipurpose R&O 150	Multipurpose R&O 220
ExxonMobil Corp.	DTE Double Letter Series	DTE Oil Extra Heavy	DTE Oil BB
ExxonMobil Corp.	Teresstic	Teresstic 150	Teresstic 220
Lubrication Engineers Inc.	Monolec 6400	Monolec 6404	Monolec 6405
Shell	Morlina S2	Morlina S3 BA 150	Morlina S3 BA 220
Severe Duty - Synthetic Oil			
SPX Cooling Technologies, Inc.	Gearlube	Gearlube ISO 150	Gearlube ISO 220
Chevron	Clarity	Clarity 150 Synthetic	Clarity 220 Synthetic
Citgo	Synthetic HT	Citgear Synthetic HT 150	Citgear Synthetic HT 220
ConocoPhillips	Syncon R&O	Syncon R&O 150	Syncon R&O 220
ExxonMobil Corp.	SHC	SHC 629	SHC 630
Shell	Morlina S4	Morlina S4 B150	Morlina S4 B220

Commercially available lubricants with manufacturer claims of compatibility.

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SB-20 | ISSUED 06/2017

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