

ExxonMobil 460 Special Mobiltemp SHC Series

Category : Fluid , Lubricant , Polyalphaolefin (PAO)

Material Notes:

Mobiltemp SHC Series products are supreme performance antiwear greases primarily intended for high temperature applications. They combine the unique features of polyalphaolefin (PAO) synthetic base fluids with those of an organo-clay, non-soap thickener. The excellent resistance to thermal/oxidative degradation provided by the PAO base, coupled with the excellent high temperature structural stability and high dropping point of the clay thickener result in an outstanding high temperature greases. The wax-free nature of the synthetic base fluid and its high viscosity index also provide superior low temperature lubrication as well as excellent film protection at high temperatures. Because the PAO base oil has low traction properties (compared to mineral oil), Mobiltemp SHC Series also offer the potential for energy savings through reduced friction and lower torque, and reduced temperatures in the load zone of rolling element bearings. The Mobiltemp SHC Series is available as three products: Mobiltemp SHC 32 is an NLGI 1 1/2 grade with ISO VG 32 base oil; Mobiltemp SHC 100 is an NLGI 2 grade with ISO VG 100 base oil; Mobiltemp SHC 460 Special is an NLGI 1 grade with ISO VG 460 base oil, plus molybdenum disulphide for extra wear protection. The Mobiltemp SHC Series of greases is used in numerous high temperature applications, as well as applications where low temperature start-up or running torque are important. They provide excellent grease life at high temperatures and offer extended relubrication periods and energy savings potential. Mobiltemp SHC Series greases have become the products of choice for many users, in many industries worldwide. Their reputation is based on very wide application temperature range, and their excellent overall performance. Mobiltemp SHC greases offer excellent high temperature grease life, bearing protection and grease integrity along with excellent low temperature capability and good wear protection. Specific applications include: The presence of molybdenum disulphide makes it particularly suitable for the lubrication of sliding machine elements such as cams and ways, which are subject to long relubrication intervals, limited motion or shock loading; Oven conveyor or kiln bearings which are subject to high temperatures or cycling between high and normal temperatures; Extreme temperature applications with a recommended operating temperature range of -40° C to 180° C (with appropriate relubrication intervals).

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-460-Special-Mobiltemp-SHC-Series.php

Physical Properties	Metric	English	Comments
Kinematic Viscosity at 40°C (104°F)	460 cSt	460 cSt	ASTM D445

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	>= 250 kg	>= 551 lb (mass)	ASTM D2596
Four Ball Wear	0.400 mm	0.0157 in	ASTM D2266
Penetration	325	325	Worked, 25°C; ASTM D217

Thermal Properties	Metric	English	Comments
Dropping Point	>= 260 °C	>= 500 °F	ASTM D2265

Descriptive Properties	Value	Comments
Color	grey	
Soap/Thickener Type	clay	

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