Mobil Cylinder Oils

Mobil Industrial , Germany

Gear and Cylinder Oils

Product Description

Mobil Cylinder oils are high performance high viscosity oils designed for use in enclosed worm gears operating at moderate to high speeds and temperatures, and where heavy loads, slow speeds or high temperatures demand high viscosity oils. They are also intended for use in steam engine cylinder applications. They are formulated from high quality base stocks that are resistant to oxidation and thermal degradation, and the build-up of harmful deposits caused by the high operating temperatures of steam cylinders. They protect against rust and corrosion and provide good film strength and excellent lubricity and they are resistant to water washout.

Mobil 600W™ Cylinder Oil, Mobil 600W™ Super Cylinder Oil and Mobil™ Extra Hecla Super Cylinder Oil are additized to enhance their frictional and load-carrying properties. All four members of the product family are widely used in worm gear applications, couplings and bearings, with viscosity grade depending on operating conditions. In steam applications Mobil 600W Super Cylinder Oil is recommended for saturated and superheated steam up to a temperature of 260°C. Mobil Extra Hecla Super Cylinder Oil and Mobil Extra Hecla Super Cylinder Oil Mineral may be used with superheated steam above 260°C. Mobil Extra Hecla Super Cylinder Oil Mineral has good demulsibility. Mobil Cylinder Oils can be applied both by drip feed cups and force feed mechanical lubricating devices.

Features and Benefits

Mobil Cylinder Oils offer the following features and potential benefits:

Features	Advantages and Potential Benefits
Excellent film integrity at high temperatures	Excellent equipment protection at high temperatures occasioned by variable load conditions, avoiding un expected downtime and equipment replacement
	Provision of good sealing film round rods and in glands in steam applications
Excellent resistance to deposit formation at high temperatures	Resistant to deposits on areas subject to high spot temperatures, maintaining cleaner systems, requiring le ss maintenance
Excellent anti-wear and low friction propert ies	Additized grades give reduced wear
Very good water separation in absence of a dditives	Non-additized grade gives ready separation from condensate
High quality and built in performance featur es	Results in fewer unplanned stoppages and reduced maintenance costs

Applications

Mobil 600W Cylinder Oil is recommended for the following applications:

- The splash lubrication of enclosed worm gears operating at moderate to high speeds and temperatures. (Mobil 600 W Cylinder Oil)
- Steam cylinders, couplings, bearings, and break-in of compressor cylinders (Mobil 600 W Cylinder Oil)
- Mobil 600W Super Cylinder Oil and Mobil Extra Hecla Super Cylinder Oil are recommended for the above applications but under higher temperature and load conditions
- Mobil Extra Hecla Super Cylinder Mineral is recommended where ready separation from condensate is essential, for example, where exhaust steam is used for process work
- Mobil Extra Hecla Super Cylinder Mineral may also be used as a tempering oil for bath temperatures up to 290°C

Typical Properties

Mobil Cylinder Oils	Mobil 600 W Cylinder Oil	Mobil 600 W Super Cylinder Oil	Mobil Extra Hecla Super Cylinder Oil	Mobil Extra Hecla Super Cylinder Oil Mineral
ISO Viscosity Grade	--	460	680	1000
Viscosity, ASTM D 445				
cSt @ 40°C	375	460	680	1000
cSt @ 100°C	28.0	30.5	35.8	42.0
Viscosity Index, ASTM D 2270	95	95	85	80
Pour Point, °C, ASTM D 97	-9	-6	0	3
Flash Point, °C, ASTM D 92	282	282	282	288
Density,ASTM D4052 @15.6°C kg/l,	0.90	0.91	0.92	0.92
Copper Strip Corrosion, ASTM D 130, 3 hrs @ 100° C	1B	1B	1B	1B

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

The Mobil logotype, the Pegasus design are trademarks of Exxon Mobil Corporation, or one of its subsidiaries.

09-2019
ExxonMobil Lubricants & Specialties Europe, division of ExxonMobil Petroleum & Chemicals BVBA.
This information relates only to products supplied in Europe (including Turkey) and the Former Soviet Union.

EXXONMOBIL LUBRICANTS & SPECIALTIES EUROPE, A DIVISION OF EXXONMOBIL PETROLEUM & CHEMICAL, BVBA (EMPC)
POLDERDIJKWEG
B-2030 Antwerpen
Belgium

Sollten Sie Fragen zu Mobil Produkten oder Services haben, wenden Sie sich bitte an unser Technical Helpdesk: https://www.mobil.com.de/de-de/kontakt

Typische Eigenschaften sind solche die mit normalen Produktionabweichungen erlangt werden and stellen keine Spezifikation dar. Aufgrund der Herstellung in verschiedenen Schmierstoffmischanlagen sind auch unter normalen Herstellungsbedingungen Produktabweichungen zu erwarten, die die Produktleistung jedoch nicht beeinträchtigen. Die hierin enthaltenen Informationen können sich ohne weitere Benachrichtigung ändern. Möglicherweise sind einige Produkte vor Ort nicht erhältlich. Für weitere Informationen wenden Sie sich bitte an Ihren örtlichen ExxonMobil Kontakt oder besuchen Sie unsere Internetseite unter www.exxonmobil.com
Unsere US-amerikanische Muttergesellschaft, die Exxon Mobil Corporation, hat in ihrem Konzernverbund zahlreiche Tochtergesellschaften, viele von ihnen haben Namen, die die Begriffe Esso, Mobil oder ExxonMobil enthalten. Aus Vereinfachungsgründen werden diese Begriffe sowie Formulieungen wie Konzern, Gesellschaft, unser, wir und ihre stellenweise als verkürtze Bezugnahme auf bestimmte Gesellschaften oder Gruppen von Gesellschaften verwandt. Ebenso werden gelegentlich vereinfachende Beschreibungen gewählt, um globale oder regionale operative Einheiten bzw. global oder regional organisierte Sparten zu bezeichnen. Gleichermaßen hat ExxonMobil Geschäftsbeziehungen zu Tausenden von Kunden, Lieferanten, Behörden, Pächtern und andere Geschäftspartnern. In diesem Zusammenhang werden ebenfalls aus Vereinfachungsgründen Begriffe wie Unternehmen, Partner und andere verwandt, um eine Geschäftbeziehung zu kennzeichnen. Derlei Bezeichnungen mögen nicht in jedem Falle exakt die konkrete Rechtsbeziehung widerspiegeln.

© Copyright 2003-2024 Exxon Mobil Corporation. All Rights Reserved