

Product Data Sheet

Mobil Compoil FM 46 S

High performance food grade
screw air compressor lubricant

Product Description

Mobil Compoil FM 46 S is a synthetic lubricant which is formulated with non-toxic USDA / FDA food grade additives and base stocks. It meets FDA 21CFR 178.3570 requirements (formerly reviewed by the Food and Drug Administration) for lubricants for incidental contact with food.

Mobil Compoil FM 46 S is formulated with wax-free synthetic hydrocarbon fluids which make it suitable for use in very low temperature start-up conditions. Moreover, the high Viscosity Index of these base oils ensures outstanding performance over a wide temperature range.

The selection of high quality synthetic base stock combined with optimised additivation confers to Mobil Compoil FM 46 S an outstanding resistance to oxidation and thermal decomposition far superior to conventional food grade lubricants.

Mobil Compoil FM 46 S has a very good water tolerance and an excellent rust protection. It also exhibits good foaming control and excellent air release property.

Benefits

Mobil Compoil FM 46 S offers the following benefits :

- Suitable over a wide range of temperature
- Reduced energy loss with a good fluidity at low temperature start-up (recommended for out-door application)
- Improved air/oil separator efficiency with a good foam performance and excellent air release
- Extended oil life due to its oxidation and its thermal stability
- Reduced oil consumption with very low volatility
- Extended compressor life due to its excellent wear protection and corrosion protection
- Reduced maintenance with extended drain interval and longer air/oil separator life (outstanding keep-clean properties)
- Increased cooler efficiency due to reduced carbon deposits formation

Application

Mobil Compoil FM 46 S is primarily recommended for the lubrication of screw type air compressors in all food processing industries, fish processing and meat packing plant.

By virtue of its high level of FZG performance Mobil Compoil FM 46 S is also suitable for light duty gear application.

Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

Typical Characteristics

Mobil Compoil FM 46 S

	Test Method	
Kinematic Viscosity at 40°C, cSt	ASTM D445	43
at 100°C, cSt		7.32
Viscosity Index	ASTM D2270	133
Specific gravity	ASTM D1298	0.832
Flash point, COC, °C	ASTM D92	262
Pour point, °C	ASTM D97	-57
Rust protection, distilled water	ASTM D665	Pass
FZG A/8.3/90, fail stage	DIN 51534	13+
Foam test, Seq I, tend/stab , ml	ASTM D892	30/0
RBOT, minutes	ASTM D2272	890

Due to continual product research and development, the information contained herein is subject to change without notice.

Mobil Oil Company Limited
Acting as Agent for Mobil Lubricants UK Limited
ExxonMobil House, Ermyn Way
Leatherhead, Surrey, KT22 8UX
Telephone: 01372 22 2000

