

EPG Industrial Oil 680

EPG Industrial Gear Oil 680 is a premium mineral based industrial gear oil with EP additives for high load carrying capacity.

EPG Industrial gear oil 680 contains Sulphur-Phosphorus Extreme Pressure additives to maintain load carrying capacity with minimum gear wear. These gear oils resist oxidation, foaming, prevent corrosion and are compatible with different types of metals used in industrial gear units.

Specifications and Approvals

EPG 680*
AGMA 9005-E02
US Steel 224
David Brown
DIN 51517 - Part 3

*Check owners' manual before use.

Applications

They are available in ISO Grades from 100 to 1000 and are recommended for use in industrial and mobile applications, operating under mild or severe conditions.

Please consult the equipment manual before use.

Features and Benefits

Superior Protection

EPG Gear Oil 680 fight the major causes of gear failure system failure –deposits, rust and wear.

Extreme Pressure Properties

The advanced Extreme Pressure additive ensures maximum wear protection and enhances component life.

Viscosity Control

Wide operating range delivers enhanced component durability and protection.

Wear protection

The advanced Anti-wear additive system ensures maximum wear protection and enhances component life.

Wear protection

The advanced Extreme Pressure additives ensures excellent wear protection and enhances component life

Superior Water Separation

Very good demulsibility performance for longer fluid life and rust prevention

PRODUCT INFORMATION



Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants including MaxLife™, the first motor oil specifically formulated for higher-mileage vehicles; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit www.valvoline.com.au or contact the Technical Hotline on 1800 804 658 for product recommendations.

Typical Properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline™ specifications, variations in these characteristics may occur.

EPG 680	Typical
ISO Grade	680
Viscosity @ 100 °C, mm ² /s, ASTM D445	39.00
Viscosity @ 40 °C, mm ² /s, ASTM D445	660.0
Viscosity Index, ASTM D2270	97
Density @ 15 °C, kg/L, ASTM D4052	0.902
Flash Point, COC, °C	251
Pour Point, °C	-12
AGMA EP Classification No	8
Equivalent SAE Gear Oil Grade	140
FZG, OK Stages	12
Timken, kg (lbs), ASTM D2782	27.2 (60) min
Four Ball, Weld Load, kg, ASTM D2783	250 min
Four Ball, Wear, 20kg for 1Hour, mm, ASTM D2266	< 0.35
Copper Corrosion, 3 Hour @ 100 °C, ASTM D130	1b max
Rust Preventative (Distilled & Salt Water), ASTM D665 A & B	Pass
Foaming Characteristics, ASTM D892	Nil

Note: EPG 680 may be unsuitable for use in some applications, always consult owners' manual if in doubt.

This information only applies to products manufactured in the following location(s): Australia

Part Number	Pack Size
1236.20	20L
1236.51	205L

Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. Safety Data Sheet (SDS) is available on request via your local sales office or 1800 804 658 or through our website www.valvoline.com.au

Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Storage

Storage We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60 °C, exposed to hot sun or freezing conditions.

Author:

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