

Product Information

A PRODUCT OF THE VALVOLINE COMPANY A DIVISION OF ASHLAND INC.



Valvoline EP Gear Oils

Description

Valvoline EP Gear Oil is a range of high quality industrial gear lubricants embodying a selected sulphur-phosphorus extreme pressure additive system. These gear lubricants are intended for service in enclosed gear sets operating under severe shock and overload service conditions.

Valvoline EP Gear Oil 460 T contains polymeric adhesive additive to prevent run-off which makes it suitable for use in open gear systems and as a chain lubricant.



Advantages

- Outstanding anti-wear, rust and corrosion protection resulting in fewer machine failures.
- Enhanced oxidation resistance ensuring thermal stability allowing high bulk running temperatures, up to 120°C, without degradation which cuts down on oil changes and down time.
- Good demulsibility and water separation.
- Resistance to foaming.
- High load carrying capacity to handle heavy working conditions.
- Extended service life.
- Can be used in automotive spur and worm drive gears for which API GL2 or GL3 gear oils are suitable.

Application

In all types of enclosed gear drives, spur, helical, bevel and worm drives – circulation or splash lubricated. Lubricant selection is based on speed, load, operating temperature and type of system.

Approvals / Performance Levels

Pass stage 13 of the FZG Spur Gear Test

Timken OK Load 27 kg

4-Ball Weld Load 250 kg

Wear Scar Diameter 0.3 mm

Properties

Test	ISO 100	ISO 150	ISO 220	ISO 320	ISO 460T
Vis @ 100°C (cSt)	11.06	14.74	19.03	24.3	31.2
Vis @ 40°C (cSt)	100	150	220	320	460
Viscosity Index	95	97	97	97	98
Channel Point °C	-37	-37	-32	-32	-20
Density 20°C	0.880	0.885	0.890	0.895	0.900
Colour ASTM	<3.5	<4.5	<5.5	<6.0	<7.0
Flash C.O.C. °C	212	218	224	228	234
Pour Point °C	-24	-24	-18	-18	-6
AGMA Number	3EP	4EP	5EP	6EP	7EP

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

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