

SUPER DUTY GEAR OIL 460 (SYNTHETIC)

TECHNICAL DATA SHEET

V.01/2024

1080



A synthetic industrial gear oil for all types of enclosed-gear drives with circulation or splash lubrication systems.

DESCRIPTION

SUPER DUTY GEAR OIL 460 (SYNTHETIC) is a high performance, high quality, extreme pressure (EP), industrial gear oil, blended using high quality base oils and sulphur-phosphorus, anti-rust, anti-oxidant and anti-corrosion additives to meet the requirements of most industrial gears.

ADVANTAGES / CUSTOMER BENEFITS

Specifically designed for:

- Spur, bevel, helical, worm and industrial hypoid gear cases
- Enclosed industrial gear drives
- Open gear drives (heavy grades)
- Plain and rolling element bearings
- For both circulation and splash lubrication

- Highly effective EP protection and anti-wear performance because the oil forms a protective film in areas of metal-to-metal contact.
- Effective oxidation inhibitors and copper passivator minimises oil oxidation and therefore extends oil drain intervals.
- High thermal stability EP system ensures clean gear and bearing surfaces.
- Rapid water shedding properties ensures high resistance to emulsion formation.

APPROVALS / PERFORMANCE STANDARDS / SPECIFICATIONS

- AGMA 9005-E02
- ISO 12925-1 CKC
- ISO 6743-6 CKC
- AIST 224
- DIN 51517 Part III

ENVIRONMENT, HEALTH and SAFETY

Information is available on this product in the Safety Data Sheet (SDS). Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. Ensure appropriate personal safety equipment is used when handling the product.

This product has a shelf life of 36 months when stored in a dry environment at ambient temperatures (10-30°C).

TYPICAL TECHNICAL CHARACTERISTICS

DESCRIPTION	METHOD	UNITS	RESULT
ISO/SAE Grade			460
Viscosity @ 40°C	ASTM D 2983	cSt	460
Viscosity @ 100°C	ASTM D 2983	cSt	80
Viscosity Index	ASTM D2270-77		115
Pour Point °C	ASTM D97	°C	-6.0
Flash Point °C	ASTM D93	°C	232
Density @ 20°C	ASTM D792	g/ml	0.88
Appearance	Visual		Bright & Clear
4 Ball EP Weld	ASTM D 2783	kg	315
4 Ball Wear Scar diameter	ASTM D 2266	kg	0.4565
FZG Fail load stage			12th stage pass

PACKAGING

5L / 20L / 210L / 1000L

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