GearTech S2 100

Premium Extreme-Pressure Industrial Gear Oil

Description

MAXFLUID GearTech S2 100 is a high-quality extreme-pressure industrial gear oil developed by MAXFLUID, designed primarily for the lubrication of heavy-duty industrial gears. Its high load-carrying capacity and anti-friction characteristics combine to offer superior performance in gears.

Formulated with an effective sulphur-phosphorus additive system, GearTech S2 100 provides extreme-pressure performance that allows trouble-free operation in most enclosed industrial gearboxes using steel spur and helical gears. It also resists thermal and chemical breakdown, supporting long oil life and reduced maintenance.

Performance Features & Benefits

Long Oil Life & Maintenance Savings
GearTech S2 100 is formulated to resist thermal and chemical breakdown throughout the maintenance interval. It withstands high thermal loading and resists sludge formation, providing extended oil life even with bulk oil temperatures of up to 100°C in certain applications.

Excellent Wear Protection
Excellent load-carrying capacity reduces gear tooth and bearing wear on steel components.

Excellent Corrosion Protection
Protects steel components against corrosion, even in the presence of contamination by water and solids.

Enclosed Industrial Gear Systems
The sulphur-phosphorus additive system delivers extreme-pressure performance for trouble-free use in most enclosed industrial gearboxes with steel spur and helical gears.

Superior Gear Performance
High load-carrying capacity combined with anti-friction characteristics for dependable performance in heavy-duty industrial gears.

Applications

MAXFLUID GearTech S2 100 is recommended for:

- Heavy-duty industrial gears
- Enclosed industrial gearboxes using steel spur and helical gears
- Bearings and other components in circulating systems
- Bearings and other components in splash-lubricated systems

Always follow the equipment manufacturer's lubricant recommendations.

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Product Advantages

- Premium ISO VG 100 extreme-pressure industrial gear oil
- High load-carrying capacity
- Anti-friction characteristics for efficient gear operation
- Effective sulphur-phosphorus extreme-pressure additive system
- Excellent wear protection for gear teeth and bearings
- Excellent corrosion protection, even with water and solids contamination
- Resists thermal and chemical breakdown
- Resists sludge formation for extended oil life
- Helps reduce maintenance costs

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	UNIT	METHOD	GearTech S2 100
ISO Viscosity Grade	-	ISO 3448	100
Kinematic Viscosity @ 40°C	mm^2/s	ISO 3104	100
Kinematic Viscosity @ 100°C	mm^2/s	ISO 3104	11.4
Viscosity Index	-	ISO 2909	100
Density @ 15°C	kg/m^3	ISO 12185	891
Flash Point (COC)	°C	ISO 2592	240
Pour Point	°C	ISO 3016	-24

The values shown are typical characteristics and may vary within normal manufacturing tolerances.

Health and Safety

MAXFLUID GearTech S2 100 is a high-quality extreme-pressure industrial gear oil intended for professional industrial applications. Under normal operating conditions and when handled correctly, the product is not expected to present significant health or safety hazards.

Avoid prolonged or repeated skin contact and prevent contact with eyes. Wear appropriate personal protective equipment (PPE), including protective gloves and safety glasses, when handling the product. Ensure adequate ventilation in enclosed areas and avoid inhalation of oil mists.

Store in tightly sealed containers in a cool, dry, and well-ventilated area away from direct sunlight, heat sources, and incompatible materials. Prevent spills from entering drains, waterways, or soil.

For detailed information regarding safe handling, storage, transportation, and disposal, refer to the latest Safety Data Sheet (SDS) for MAXFLUID GearTech S2 100.

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