

Description

MAXFLUID GearTech S2 460 is a high-quality extreme-pressure (EP) industrial gear oil developed by MAXFLUID, designed primarily for the lubrication of heavy-duty industrial gearboxes. Its high load-carrying capacity, protection against micropitting, and compatibility with seals and paints combine to offer excellent performance in enclosed gear applications.

With extra protection against oxidation, wear and micropitting, and corrosion and foaming, GearTech S2 460 is designed for enclosed gearboxes using steel-on-steel spur, helical, or planetary gear drives, including highly loaded systems. It is also suitable for non-gear applications such as bearings.

Performance Features & Benefits

Long Oil Life Through Oxidation Stability

GearTech S2 460 is formulated to reduce the risk of thermal and chemical breakdown throughout the maintenance interval, helping lower the total cost of ownership. It withstands high thermal loading and resists sludge formation, providing extended oil life even with bulk oil temperatures of up to 100°C.

Excellent Wear & Micropitting Protection

Formulated for excellent load-carrying capacity and micropitting performance, providing long component life.

Water Separation, Corrosion & Foam Control

Excellent water shedding, corrosion protection, and low foam-forming tendency help maintain gear system efficiency.

Enclosed Industrial Gear Systems

An effective extreme-pressure (EP) formulation designed for enclosed industrial gearboxes using steel-on-steel, spur, helical, or planetary gear drives, including highly loaded systems with splash or forced circulation.

Seal & Paint Compatibility

Compatible with seals and paints commonly used in enclosed gear systems.

Applications

MAXFLUID GearTech S2 460 is recommended for:

- Heavy-duty enclosed industrial gearboxes
- Steel-on-steel spur, helical, and planetary gear drives
- Highly loaded gear systems with splash or forced circulation lubrication
- Non-gear applications such as bearings and other steel-on-steel components with splash or forced circulation systems

Always follow the equipment manufacturer's lubricant recommendations.

Product Advantages

- Premium extreme-pressure (EP) industrial gear oil
- High load-carrying capacity
- Excellent wear and micropitting protection
- Excellent oxidation stability for long oil life
- Resists thermal stress and sludge formation
- Effective corrosion protection and foam control
- Excellent water shedding
- Compatible with seals and paints
- Helps reduce total cost of ownership

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	UNIT	METHOD	GearTech S2 460
Kinematic Viscosity @ 40°C	mm ² /s	ISO 3104	460
Kinematic Viscosity @ 100°C	mm ² /s	ISO 3104	30.8
Viscosity Index	-	ISO 2909	97
Flash Point (COC)	°C	ISO 2592	>250
Pour Point	°C	ISO 3016	-12
Density @ 15°C	kg/m ³	ISO 12185	904

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

Health and Safety

MAXFLUID GearTech S2 460 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 460.