

Description

MAXFLUID GearTech S2 320 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.

With extra protection against contamination, oxidation, and micropitting, GearTech S2 320 combines excellent water separation and low foaming with a full extreme-pressure (EP) additive system, making it suitable for enclosed industrial gearboxes and highly loaded gear systems.

Performance Features & Benefits

Handling Contamination & Maintaining Efficiency

GearTech S2 320 combines excellent water shedding with a low foaming tendency and is designed to minimize foaming even in the most testing environments. Its excellent water separation allows excess water to be drained easily, helping extend gear life and ensure efficient lubrication of the contact areas.

Long Oil Life Through Oxidation Stability

GearTech S2 320 is formulated to reduce the risk of 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.

Enclosed Industrial Gear Systems

The extreme-pressure system allows trouble-free use in most enclosed industrial gearboxes with steel spur and helical gear drives, using circulation or splash lubrication systems.

Highly Loaded Gears

An effective full extreme-pressure (EP) additive system allows use in highly loaded gear systems.

Extra Protection

Provides extra protection against contamination, oxidation, and micropitting.

Applications

MAXFLUID GearTech S2 320 is recommended for:

- Heavy-duty industrial gears
- Enclosed industrial gearboxes using steel spur and helical gear drives with circulation or splash lubrication
- Highly loaded gear systems
- Bearings and other components in circulating systems
- Bearings and other components in splash-lubricated systems

Always follow the equipment manufacturer's lubricant recommendations.

Product Advantages

- Premium extreme-pressure industrial gear oil
- Full EP additive system for highly loaded gears
- High load-carrying capacity and anti-friction characteristics
- Extra protection against contamination, oxidation, and micropitting
- Excellent water separation and water shedding
- Low foaming tendency
- Excellent oxidation stability for long oil life
- Resists sludge formation
- Helps reduce maintenance costs and extend gear life

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	UNIT	METHOD	GearTech S2 320
Kinematic Viscosity @ 40°C	mm ² /s	ISO 3104	320
Kinematic Viscosity @ 100°C	mm ² /s	ISO 3104	24.4
Viscosity Index	-	ISO 2909	97
Flash Point (COC)	°C	ISO 2592	>250
Pour Point	°C	ISO 3016	-15
Density @ 15°C	kg/m ³	ISO 12185	897

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

Health and Safety

MAXFLUID GearTech S2 320 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 320.