

Description

MAXFLUID GearTech S2 680 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 full extreme-pressure (EP) additive system, GearTech S2 680 is suitable for highly loaded gear systems and protects both steel and bronze components. It resists thermal and chemical breakdown and separates water efficiently, supporting long oil life and reduced maintenance.

Performance Features & Benefits

Long Oil Life & Maintenance Savings

GearTech S2 680 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 both steel and bronze components.

Excellent Corrosion Protection

Protects both steel and bronze components against corrosion, even in the presence of contamination by water and solids.

Maintaining System Efficiency

Excellent water separation allows excess water to be drained easily from lubrication systems, helping extend gear life and ensure efficient lubrication of the contact areas.

Highly Loaded Gears

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

Superior Gear Performance

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

Applications

MAXFLUID GearTech S2 680 is recommended for:

- Heavy-duty industrial gears
- Highly loaded gear systems
- Gear systems with steel and bronze components
- 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 ISO VG 680 extreme-pressure industrial gear oil
- Full EP additive system for highly loaded gears
- High load-carrying capacity
- Anti-friction characteristics for efficient gear operation
- Excellent wear and corrosion protection for steel and bronze
- Excellent water separation properties
- Resists thermal and chemical breakdown
- Resists sludge formation for extended oil life
- Helps reduce maintenance costs

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	UNIT	METHOD	GearTech S2 680
ISO Viscosity Grade	-	ISO 3448	680
Kinematic Viscosity @ 40°C	mm ² /s	ISO 3104	680
Kinematic Viscosity @ 100°C	mm ² /s	ISO 3104	38
Viscosity Index	-	ISO 2909	92
Density @ 15°C	kg/m ³	ISO 12185	912
Flash Point (COC)	°C	ISO 2592	272
Pour Point	°C	ISO 3016	-9

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

Health and Safety

MAXFLUID GearTech S2 680 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 680.