



Technical Data Sheet

- EXTRA PROTECTION
- Standard Application

Pure Tech GearTech S2 460

Industrial Gear Oils

GearTech S2 680 Oils are high quality extreme-pressure oils designed primarily for the lubrication of heavy duty industrial gears. Their high load carrying capacity and anti-friction characteristics combine to offer superior performance in gears.

PERFORMANCE, FEATURES & BENEFITS

- **Long oil life - Maintenance saving:** GearTech S2 680 Oils are formulated to resist thermal and chemical breakdown throughout the maintenance interval. They withstand high thermal loading and resist the formation of sludge to provide extended oil life capability, even with bulk oil temperatures of up to 100°C in certain applications.
- **Excellent wear & corrosion protection:** Excellent load carrying capacity reduces gear tooth and bearing wear on both steel and bronze components. GearTech S2 680 has excellent corrosion protection, protecting both steel and bronze components, even in the presence of contamination by water and solids.
- **Maintaining system efficiency:** GearTech S2 680 Oils have excellent water separation properties, such that excess water can be drained easily from lubrication systems to help extend the life of the gears and ensure efficient lubrication of the contact areas.

MAIN APPLICATIONS

- **Highly loaded gears:** GearTech S2 680 Oils have an effective full extreme pressure (EP) additive system allowing them to be used in highly-loaded gear systems.
- Shell Omala S2 G Oils are suitable for lubrication of bearings and other components in circulating and splash-lubricated systems.

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	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

HEALTH, SAFETY & ENVIRONMENT

Health and Safety

Pure Tech GearTech S2 460 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

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