



Technical Data Sheet

- EXTRA PROTECTION
- Against oxidation
- Against wear & micropitting
- Against corrosion & foaming

Pure Tech GearTech S2 460

Industrial Gear Oils

GearTech S2 460 oils are high quality extreme-pressure (EP) oils designed primarily for the lubrication of heavy duty industrial gearboxes. Their high load carrying capacity, protection against micro pitting and compatibility with seals and paints, combine to offer excellent performance in enclosed gear applications.

PERFORMANCE, FEATURES & BENEFITS

- **Long oil life through oxidation stability and resistance to a be thermal stress - leading to reduced total cost of ownership:** GearTech S2 460 oils are formulated to reduce the risk of 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.
- **Excellent wear and micropitting protection:** GearTech S2 460 is formulated to have excellent load carrying capacity and micropitting performance, providing long component life.
- **Gear system efficiency is maintained by optimized water separation performance, corrosion and foam control:** GearTech S2 460 oils display a combination of excellent water shedding capability, corrosion protection and low foam forming tendency.

MAIN APPLICATIONS

- **Enclosed industrial gear systems:** GearTech S2 460 technology provides an effective extreme pressure (EP) formulation designed specifically for enclosed industrial gearboxes using steel-on-steel, spur, helical, or planetary gear drives, including highly loaded systems with splash or forced circulation systems. GearTech S2 460 oils are also suitable for the lubrication of non-gear applications, that include bearings and other steel-on-steel components with splash or forced circulation systems.
- GearTech S2 460 is recommended for gear systems where a synthetic lubricant is specified, when the longest lifespan is required, or when operating in environments that experience large temperature variations.
- GearTech S2 460 is recommended for wind turbine main gear drives.

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES			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

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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