



Technical Data Sheet

- RELIABLE WEAR PROTECTION
- CORROSION PROTECTION

Pure Tech Gear S2 OG 50

Heavy-Duty Open Gear Grease for marine & Industrial Applications

Pure Tech Gear S2 OG 50 is a premium-grade, high-viscosity, bitumen-free lubricant designed for the lubrication of large open gears and wire ropes operating under heavy loads and extreme conditions. Specially formulated to ensure superior adhesion, wear protection, and corrosion resistance, this grease performs reliably even in wet or dusty environments.

KEY FEATURES

- **Excellent Load-Carrying Capacity:** Provides outstanding protection for heavily loaded open gears and high-pressure industrial equipment.
- **Superior Adhesion:** Resists throw-off from gear teeth, reducing lubricant waste and providing consistent protection.
- **Outstanding Water Resistance:** Maintains performance in wet, humid, or exposed environments, minimizing wash-off and corrosion.
- **Anti-Wear & Corrosion Protection:** Prolongs equipment life with effective protection against pitting, wear, and rust, even in aggressive conditions.
- **Bitumen-Free, Environmentally Considerate:** Safer for users and surroundings without compromising on heavy-duty performance.

MAIN APPLICATIONS

- **Open Gear Systems on Deck Machinery:** Ensures smooth and reliable operation of winches, cranes, and anchor handling systems by resisting wash-off and withstanding high mechanical pressures.
- **Wire Ropes and Mooring Lines:** Offers long-lasting protection against corrosion and wear on cables and ropes constantly exposed to sea spray, salt, and friction.
- **Rudder and Steering Gear Lubrication:** Maintains effective lubrication in submerged or semi-submerged components critical for vessel maneuverability.
- **Hatch Cover and Ramp Gear Systems:** Reduces maintenance needs on moving parts frequently exposed to harsh marine environments.

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	METHOD	Gear S2 OG 50	
Grade		50	
Soap Type		clay	
Base Oil Kinematic Viscosity @40°C	mm ² /s	ASTM D445	50
Base Oil Kinematic Viscosity @100°C	mm ² /s	ASTM D445	870
Flash Point COC	°C	ASTM D92/ISO 2592	min 130
Timken OK Load	lbs	ASTM D2509	min 50
Copper Strip Corrosion	rating	ASTM D4048	1b max

HEALTH, SAFETY & ENVIRONMENT

Health and Safety

Pure Tech Gear S2 OG 50 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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