

PROTAK-500

Highly adhesive grease designed for use in wet environments

Description

PROTAK-500 is a heavily additized grease offering exceptional adhesion to metal surfaces. It is specifically formulated to withstand very high loads, absorb intense shock and vibration, and resist extreme moisture conditions. Thanks to its physico-chemical properties, it is ideal for the marine sector as well as for lubricating pins and bushings (plain bearings) on heavy mobile equipment.

Features and Benefits

Using advanced overbased calcium sulfonate thickener technology, PROTAK-500 adheres to metal surfaces without dripping, even under extreme humidity or high-temperature conditions. It helps reduce grease consumption by 20 to 25% compared to conventional lithium greases, while providing significantly superior protection against wear and corrosion.

Applications

PROTAK-500 is ideal for lubricating marine equipment, construction machinery, heavy-duty truck chassis, and facilities in the following sectors: steel and aluminum production, mining operations, amusement parks, and the pulp and paper industry.

Directions for Use

Use PROTAK-500 in accordance with the equipment manufacturer's instructions.

Property	Method	Result
NLGI Grade		2
Color		Green
Penetration at 25 °C, 60 strokes (mm/10)	ASTM D217	280
Base oil viscosity at 40 °C, cSt	ASTM D445	250
Base oil viscosity at 100 °C, cSt	ASTM D445	21
Dropping point	ASTM D2265	260 °C
Rust resistance	ASTM D1743	Pass
Copper Corrosion	ASTM D4048	Pass, 1B
Oil Separation at 25 °C	ASTM D3527	< 0.2 %
Pumpability at -20 °C	US Steel	85 g/min
Wear (4-Balls)	ASTM D2266	0.43 mm
Weld Load (4-Balls)	ASTM D2596	> 500 kg
Load-Wear Index (4-Balls)	ASTM D2596	60
Timken OK Load	ASTM D2509	30 kg
Bomb Oxidation	ASTM D942	12 psi
Roll Stability	ASTM D1831	3.9 %
Water Washout, 80°C, % loss	ASTM D1264	< 0.3 %