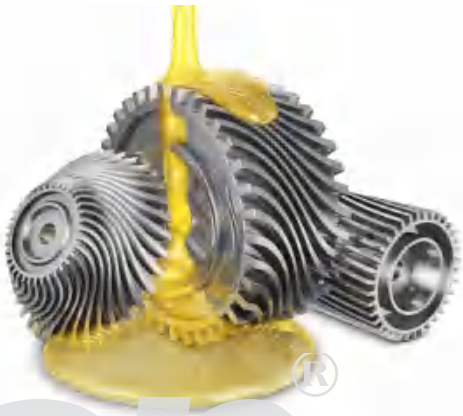
Semi-fluid grease

Performance Overview

Maxtop semi-fluid grease is made of refined mineral oil thickened with fatty acid lithium soap, and additives such as extreme pressure, antioxidant and rust prevention are added. Semi-fluid greases are classified into extreme pressure type and non-extreme pressure type. The semi-fluid paste texture has both fluidity and adhesion, and can slowly penetrate to the surface of the friction pair with mechanical vibration. Effectively neutralize condensate and corrosive media in humid environments. Long-term service life, excellent oxidation stability, grease change cycle can reach 1.5-2 times of traditional grease.



Features

01

Contains lead-free extreme pressure additives, providing effective lubrication protection for bearings and gears under heavy loads.

02

Excellent oxidation stability, long grease service life.

03

Excellent anti-rust property, preventing lubrication parts from rusting.

04

The special thickener structure keeps the fiber network skeleton under high shear force and prevents the separation of oil soap.

05

Compatible with steel, copper, aluminum and most plastic and rubber seals.

06

Free of heavy metals and nitrites, in line with EU REACH regulations.

Application Scenario

1: Typical device
Centralized lubrication system
Low-speed and heavy-duty plain bearings (e.g. ball mill bearings)
Open gear/rack drive (custom high adhesion type required)
Conveyor chain
Wire rope/cable lubrication (lubrication brush device required)
2: Key industries
Iron and steel metallurgy: continuous casting machine, roll bearing, furnace door hinge
Cement building materials: rotary kiln roller, grate cooler bearing
Port machinery: container crane gear, wire rope
Mining: crusher, screening machine bearing
Paper printing: dryer bearing, calender roller
3: Special working conditions
Humid environment (e.g. surface mine equipment)
Frequently start/stop/intermittently run the device
Inaccessible lubrication points (delivered by automatic lubrication system)

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Semi-fluid grease performance indicators

Project	Quality indicators		
Model(Non-EP)	000#	00#	0#
Working cone penetration/(0.1mm)	445~475	400~430	355~385
Dropping point/℃ No less than	130	135	140
Corrosion (T2 copper sheet, 100℃, 24h)	No green or black change on copper sheet		
Evaporation amount (99℃, 22h) (mass fraction)/% No more than	2.0		
Corrosion resistance (52℃, 48h), Grade No more than	1		
Free alkali (NaOH), % (mass fraction) not more than	0.1		
Evaporation (99℃, 22h), % (mass fraction) No more than	-	2.0	2.0
Similar viscosity (-20℃, 10s), Pa.s not more than	-	700	700
Oxidation stability (99℃, 100h, 0.110Mpa) Pressure drop, MPa not greater than	0.070