PETROTM OIL

LUBENZ ULTIMATE HIGH TEMPERATURE CLAY BASED GREASE

Product Data Sheet

Product Description

LUBENZ ULTIMATE HIGH TEMPERATURE CLAY BASED GREASE are high temperature greases, formulated with bentonite clay based thickener and extreme pressure additive system to provide extra protection against wear, rusting and water washout especially in industrial equipment operating under heavy loads and high temperatures. They are available in NLGI grades ranging from 00 to 3 with base oil viscosity of ISO VG 150 & 320. It retains its consistency at high temperatures and provides good storage stability.

Features & Benefits

- ***Outstanding Non-melting capability*** – protects bearing at very high operating temperatures where conventional soap-based greases fail to provide satisfactory lubrication.
- ***Good extreme pressure & anti-wear properties*** - protects bearing surfaces against severe wear, even under high load conditions.
- ***Excellent Oxidation and Thermal stability -*** protects against deposit formation at very high operating temperatures, thus maintains the life and performance of grease.
- ***Excellent resistance to water washout*** - resists washout of grease in equipment and provides good lubrication even in presence of water.
- ***Excellent retention of consistency*** – resists grease softening in application, where very high temperatures and mechanical working leads to subsequent loss of lubrication performance and leakage.

Application

LUBENZ ULTIMATE HIGH TEMPERATURE CLAY BASED GREASE are suitable for below applications:

- Drying Ovens
- Jaw Crushers
- Kiln cars
- Steel Mills
- Hot Rolling Mills
- Aluminum, Cement, Glass and Rubber plants

Typical Characteristics

LUBENZ ULTIMATE HIGH TEMPERATURE CLAY BASED GREASE	Test Method	Units	HT-EP00	HT-EP0	HT-EP1	HT-EP2	HT-EP3
NLGI Grade	ASTM D 217	--	00	0	1	2	3
Thickener Type	--	--	Bentonite Clay	Bentonite Clay	Bentonite Clay	Bentonite Clay	Bentonite Clay
Penetration, Worked @ 25 ^{0}C	ASTM D 217	0.1mm	400-430	355-385	310-340	265-295	220-250
Viscosity @ 40 ^{0}C	ASTM D 445	cSt	320	160	160	160	160
Dropping Point	ASTM D 566	°C	-	>300	>300	>300	>300
4-Ball Wear, Scar	ASTM D 2266	mm	0.5	0.4	0.4	0.4	0.4
4-Ball Weld Load	ASTM D 2596	Kg	240	250	250	250	250

The above figures are typical of blends with normal production tolerance and do not constitute a specification.