PETROTM OIL

DMCC DUBAI MULTI COMMODITIES CENTRE

LUBENZ PIONER GREASE CALCIUM BASE EP2 & EP3

High Performance Calcium based – Multipurpose Extreme Pressure Greases

Product Data Sheet

Product Description

LUBENZ PIONER GREASE CALCIUM BASE-EP series are high performance greases, formulated with Calcium based thickeners and an ISO VG 320 mineral base stock to provide added protection against wear, rusting and water washout. They are available in NLGI grades 2 & 3, which are suitable for general purpose automotive applications at moderate temperatures and loads. The suitable operating temperature range is from -20°C to 80°C maximum. It does not contain lead or any other heavy metals which are considered harmful to human health and environment.

Features & Benefits

- ***Good resistance to water washout*** - resists washout of grease in equipment operating in wet conditions.
- ***Superior load carrying capacity*** - reduces wear under moderate loading and vibrations, for good equipment reliability and performance.
- ***Extra protection against rust and corrosion*** - protects bearing surfaces against corrosion.
- ***Good Oxidation and Thermal stability*** **-** protects against deposit formation at high operating temperatures and oil thickening.
- ***Superior structural stability*** – resists grease softening, even during extended mechanical working and high vibrations in equipment.

Application

- LUBENZ PIONER GREASE CALCIUM BASE-EP series are suitable for general lubrication under normal operating conditions and loads, for all kinds of application in transport, agriculture, marine and off road equipment.
- Suitable for passenger car, light truck, including all kinds of bearings and joints where temperature and loading conditions are normal.
- Not suitable for applications like rolling element bearings & high shock loads equipment.

Typical Characteristics

LUBENZ PIONER GREASE CALCIUM BASE	Test Method	Units	Ca-EP 2	Ca-EP 3
NLGI Grade	ASTM D 217	--	2	3
Thickener Type	--	--	Calcium	Calcium
Color	Visual	--	Brown	Brown
Texture	Visual	--	Smooth	Smooth
Penetration, Worked @ 25 ^{0}C, 60 strokes	ASTM D 217	0.1mm	265-295	220-250
Viscosity @ 40 ^{0}C	ASTM D 445	cSt	320	320
Dropping Point	ASTM D 566	°C	90 (min)	90 (min)
4-Ball Wear, Scar test	ASTM D 2266	mm	0.6	0.6
4-Ball Weld Load	ASTM D 2596	Kg	220	220

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