PanaOIL
Think Efficient

FETT LM-2

Multi purpose EP and high temperature lithium complex grease

Description

FETT LM-2 is a premium, high performance grease that is formulated using high viscosity index mineral oil and lithium complex soap, supported with best additives that suits the lubrication of slow moving, heavily loaded bearings. With the presence of molybdenum disulfide (MoS_2) are on stand-by in the lubrication will be very useful when it is impossible to apply the grease to the bearing. It also allows the replacement period is longer because of good stability of the grease.

Applications

FETT LM-2 is recommended for the lubrication of slow moving, heavy duty bearings under heavy loads, shock loads, and vibration, usually in mining operations and steel industries. The presence of extreme pressure and antiwear additives enable this grease to form a layer of lubricant film is able to withstand the mechanical stresses caused by a combination of shock loading and sliding contact. The welding point test (Four Ball EP) provides up to 560 kgf minimum tolerance.

In generall, it can be used for centralized grease systems, e.g. for systems used in rolling mills and on the slideways to suppress the formation of heat.

Advantages

- Excellent mechanical stability
- Very good rust and oxidation characteristics
- Very good extreme pressure performance under heavy load condition and high temperature
- Excellent water resistance properties
- High droppint point
- Highly adherent properties
- Lead and Nitrite Free

Typical Data of FETT LM-2

Characteristics	Unit	FETT LM-2	Test Method
NLGI Grade		2	
Color		Black	
MoS2 Content	%wt	3.0	
Worked Penetration, mm/10, 60 strokes		265-295	ASTM D 217
Worked Penetration after 1,000,000 strokes, mm/10, change from 60 strokes		+35 max.	ASTM D 217
Dropping Point, 0 °C	min	260	ASTM D 566
Emcor Rust Test, Rating		0,0	IP 220
Four Ball EP, Weld Point, kgs	kgf	560 min, 620 (typical)	IP 239, 10 sec
Water Wash-Out, 1 hour @ 79 °C	%wt	3.0 max.	ASTM D 1264
Oil Separation, % by mass		2.5 max.	ASTM D 6184
Soap Type		Lithium Complex	
Base Oil		Mineral	
Kinematic Viscosity @ 40 °C	cSt	460	ASTM D 445
Kinematic Viscosity @ 100 °C		32	

** the typical characteristic mentioned represent mean values*

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