Product Data

ZIE FETT 7772
Premium Performance Grease

Description:

Zie Fett 7772 grease is made using a blend of high quality petroleum oils, polymers and a proprietary blend of Molub-Alloy lubricating solids. These lubricating solids work synergistically with chemical anti-wear and extreme pressure (EP) additives to reduce contact temperatures and wear while providing the ultimate in extreme pressure and shock load anti-weld protection. This blend together with a shear stable thickening system provides a uniquely effective seal against loss of grease or contamination from the atmosphere, even where mechanical seals may be damaged.

Rust and oxidation inhibiting characteristics are maximised to afford effective rust protection and long life of the grease.

Zie Fett 7772 grease is designed for very heavy duty service in adverse environments.

It is blended and compounded to withstand heavy and shock loading, commonly found in the mining, construction and offshore industries.

Zie Fett 7772 is a Bucyrus certified grease (with lubricating solids <5% by weight and <10µm max particle size).

Applications:

Zie Fett 7772 is a multipurpose grease that operates effectively in plain and roller bearings. It exhibits excellent adhesive and cohesive characteristics and is highly resistant to mechanical shearing. Typical applications in severe environments include dragline slew bearings, crane slew rings and FPSO Turret bearings where loads are heavy and speeds low.

Specifications:

- Meets requirements of NLGI 2

PDS/HS/ZIE/REV 0000.03

Features:

- Excellent friction reduction characteristics due to Molub-Alloy solid lubricants - easier start-up, reduced heat and reduced energy leading to longer bearing life.
- Excellent mechanical stability - grease keeps its consistency in service ensuring long term protection.
- Easily pumpable in central lubrication systems.
- Superior adhesion - continuous lubrication and reduced consumption as the film stays between lubricated surfaces.
- Exceptional water resistance - coating film stays on the surface even in the presence of water.
- Excellent EP and anti-wear properties - protects equipment against extreme/shock loading and helps minimise bearing components wear and hence extends equipment life.
- Compounded - optimum protection and long life to seals, as well as forming a protective barrier in damaged seals.

Typical characteristics:

Characteristics	Test Method	FETT 7772
Appearance / Structure	Visual	Dark Grey
Soap Type	ASTM D3340	LITHIUM
Worked Penetration at 25°C, (+/-0.5°C, 0.1 mm units, after 60 strokes)	ASTM D217	265-295
Drop Point, °C, Min.	ASTM D2265	190
Viscosity of Base Oil @40°C	ASTM D445	900-1000
Rust Test 48 hrs @100°C	ASTM D1743	Pass
Free Alkalinity, as % wt., Max.	IS : 1448 (P : 53)	0.056
Copper Corrosion Test @100°C for 24 Hrs.	ASTM D4048	1B
Four-Ball Weld Load, kg, Min.	IP 239	620
Water Washout, @79°C, % wt.	ASTM D1264	3.2
DIN Classification	DIN 51502	KPF 2K - 20
Solid Contents		< 5%

The above figures are typical figures with normal production tolerance.

Health & Safety

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.