



375

DESCRIPTION:

Food Grade Synthetic Multi Application Heavy Duty Grease. New technology calcium sulfonate grease withstands severe water washout, steam, acids and corrosion. 375 is AQIS Type A1 (Australia) MAF C15 (NZ) and NSF H1. Protected by passive E.P. solids, contains no metals or chemical E.P. Overbased Calcium Sulfonates are unmatched by all other greases. Group IV Base Oil, Operating Temperature Range - 20°C to 320°C. NLGI #000, 00, 0, 1, 2. Available as Bulk, Cartridge & Aerosol.

CHARACTERISTICS:

NSF approved Certificate# C0076420-01

Calcium Sulfonate Thickener

Mainlube 375 represents a new generation of grease technology comprising of an inorganic-organic calcium sulfonate complex thickener system. Lab and field testing has shown that 375's thickener system provides outstanding performance characteristics lubricating and safeguarding equipment. 375 Will protect in conditions of high temperatures, humid wet areas where corrosion, extreme pressure (E.P.) and anti wear characteristics are required. 375 is designed for use where other premium greases are failing to meet the requirements of modern equipment. Mainlube 375 is a high performance long life grease designed to extend machinery component life preventing downtime.

Non Toxic Heavy Metal Free, Passive E.P. Boundary Lubrication

Mainlube 375's anti wear package contains no heavy metals or chemical E.P. Proprietary Solids from the carbon family sized between 0.1 and 0.5 of a micron provide 375's boundary lubrication.

Under heavy loads 375's Proprietary Solids form a rolling wedge between moving surfaces preventing metal to metal welding.

375's Proprietary Solids also smooth out minor imperfections in bushes and bearings, lowering the operating temperature and preventing further damage.

Other high quality greases use metal to metal to generate the of 90° to 130°C necessary to activate the chemical E.P. used in boundary lubrication protection. This friction induced reaction results in chemical corrosion that can exaggerate running wear.

375's E.P. solids offer the advantage of giving a continuous E.P. action irrespective of temperature and long before boundary lubrication conditions occur.

375's Synthetic soap combined with high Synthetic Group IV base oils supply exceptional shear stability providing excellent high temp, anti wear and E.P performance. This extends bearing and seal life and reduces grease consumption.

Oxidation Resistant

Sulfonates are known and used for their excellent rust and corrosion control properties. Excellent performance in high temperature 24 Hrs Per Day applications. Normal chemical E.P. use oxidation to achieve a solid boundary coating to stop metal to metal contact in overloaded applications. High viscosity Food Grade base oil PAO Group IV also greatly reduces temperatures and oxidation.



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Excellent High Temperature Stability

375 resists burning and performs well at high temperatures, 375 is stable to 320°C. At these elevated temperatures frequency of greasing would be increased to counteract base oil evaporation and thickener cooking.

Excellent Water and Corrosion resistance

Mainlube 375 is non-corrosive and displays excellent corrosion inhibiting properties when run in fresh and salt-water applications.

When tested in tough salt fog environments Mainlube 375 significantly out performs other premium lithium and aluminium complex greases without the addition of any rust inhibitor.

375's Natural overbased sulfonate chemical system gives a built in corrosion protector. In the Salt Fog Corrosion Test, grease is applied at 1.5 mls thickness to salt fog test panels. Under test the results show normal greases failing at 48 Hrs where as Mainlube 375 was still protecting at 1000 Hrs.

When mixed with 20% water and worked for 100,000 strokes in the grease worker, Mainlube 375 showed no change to its NLGI #2 consistency, (ASTM Test D-217). Mainlube 375's Timken OK Load test value of 65lb was also retained giving excellent E.P protection in wet applications.

Long Life and Wear Protection.

High-speed ball bearing service tests at elevated temperatures of 160°C showed 375 provided long bearing lives of approximately 800 hours or more. In this environment bearing life-using soap type greases seldom exceeded 500 hours. Mainlube 375's higher weld point value exceeds that of aluminium and lithium complex type greases. This allows 375 to provide outstanding hydrodynamic and boundary lubrication giving up to 70% more protection than other premium greases.

**The Laboratory Statistics of Mainlube 375 are very Impressive.
You will be more impressed by 375's performance in the real world.**

Mainlube 375 Saves Money Because it,

Is Environmentally Friendly.

Reduces consumption, Less product used.

Improves Bearing Life.

Reduces Stock and Handling.

Has Low Toxicity.

Reduces Maintenance.

Reduces Price/Performance Ratio.

Will replace 5-6 normal Greases.

Mainlube 375 is a Multi Application Grease & Offers Exceptional Performance in;

-All Grease lubrication of H1

-Bearings

-Pivots

-Food Factories

-Abattoirs

-Fruit Processing

-Ball Joints

-Wheel Bearings

-Marine Equipment

-Hospitals

-Veterinary Hospitals

-Steam bottle

Off Shore Equipment

-Axles-Conveyers

-Ball Mills

-Pharmaceutical Factories

-Wineries

- Vegetable Processing



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SPECIFICATIONS:

Mainlube 375 NLGI #2, Performance

Test	Test Method	D-4950 Limits	Typical Results
Oil Vis @ 40 °C cSt	D-445		400
100 °C cSt	D-445		37.5
200 °C cSt	D-445		5.8
220 °C cSt	D-445		5.0
Viscosity Index	D-2270		160
Timken OK Load	D-2509		65lb
Penetration 60 Strokes	D-217		280
Mechanical Stability 10,000 Stro -	D-217 -kes -% of change		4.5
Roll Stability, 50% water	D-445 % of change in pen		2.5
100,000	D-217		285
Dropping Point	D-2265	220 °C Min.	320°C +
Four Ball Wear	D-2266	0.9 mm Max	0.4 mm
Oil Separation	D-1742	6% Max	0.17%
Rust Protection	D-1743	Pass	Pass
Four Ball E.P. LWI, kgf	D-2596		55
Weld	D-2596	200 Kg Min	400 Kg
Load Wear Index		30 Min	72
Four Ball Wear, mm	D-2266		0.50
Water Washout @ 80 °C % Lost	D-129-64	15% Max	0.5%
Bearing Life Performance, hours	D-3527	80 Hr Min	260 Hrs
Bearing Leakage	D-4290	10 gm Max	0.3 gm
Elastomer Compatibility	D-4289		
Neoprene (CR)		0 to 30%	2.8%
Volume Change		0 to -10	-3
Hardness Change			
Nitrile (NBR-L)			
Volume Change		-5 to + 30%	7.7%
Hardness Change		+2 to -15	0
Oil Separation	D-1742		0.1%
Emcor Rust Test 164 Hours Distilled H ₂ O			Pass 1,1,1
Copper Strip Corrosion Rating	D-4048		1A
Colour			Tan

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