Orelube®

technical information

CRIMSON 77

ALUMINUM COMPLEX EP ADHESIVE, EXTRA-TACKY GREASE

Description

Orelube Crimson 77 is a red EP grease fortified with special polymer additives to withstand the heavy impact and pounding that is common to heavy equipment. It stays wherever it's applied. Being extremely adhesive and cohesive, it resists throw-off from bearings and fittings, while providing extra-cushioning to reduce shock and noise.

Crimson 77 has a unique combination of properties engineered into one grease providing total protection for industrial, marine, agricultural, mining and construction equipment exposed to adverse conditions -- high loads, shock loads, sea water, dirt, dust, weather and steam.

Crimson 77 is manufactured using a blend of highly-refined, hydrotreated, high VI paraffin base oils thickened with an aluminum complex soap gel produced by a state-of-the-art manufacturing and homogenizing process. A synergistic combination of chemical additives provide superior extreme pressure and antiwear properties to withstand high loads, absorb shock loads and reduce friction and wear.

Crimson 77 is *waterproof!* It repels water acting as a seal for bearings exposed to wet conditions. A good measure of its waterproof ability is the Water Washout Test, ASTM D-1264. When tested using this method, **Crimson 77** exhibits less than 1.0% weight loss.

Aluminum complex soap greases exhibit superior mechanical stability -- their small fibers contribute to their unusually stable structure. **Crimson 77** does not soften and run-out under prolonged and/or severe working conditions.

In some applications at 400 F, if relubricated weekly, **Crimson 77** enables trouble-free lubrication, week-after-week. Naturally, as temperatures drop, the relubrication interval is extended. In applications at 300 F, the relubrication interval can be monthly.

Crimson 77 provides superior long-term protection to most types of bearings -- antifriction bearings in a broad array of service applications, heavily-loaded bearings under shock loads and plain bearings because of its tenacious, adhesive nature.

Benefits

- Oxidation stability is increased using *antioxidants* for long-lasting lubrication
- *Reversible* - can be exposed to temperatures past its dropping point for short periods of time and upon cooling return to its original grease structure
- High dropping point
- Not affected by mild acid, alkali or salt environments

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BOELUBE®

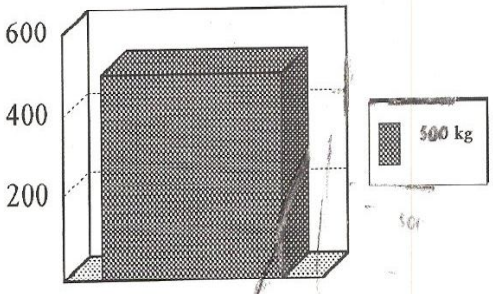
Application

- Plain (journal, sleeve, guide) bearings
- Antifriction or rolling contact (ball, roller, needle) bearings
- Pins and bushings, small open gears
- Pumps, machine tools, rolling mills, pulp and paper mills, steel mills, chemical plants
- Mining, construction and off-the-road equipment, farm machinery, marine equipment

Typical Properties

NLGI Grade	2
Color	Red
Operating Temperature Range	+10 to 400 F
Penetration, ASTM D-217	
Worked, 60 strokes	270
Worked, 10,000 strokes	269
Dropping Point, ASTM D-2265, F	550
Base Oil Viscosity, ASTM D-445	
cSt @ 40 C	194.2
cSt @ 100 C	17.4
Water Washout, ASTM D-1264	
% wt. loss @ 100 F	0.1
% wt. loss @ 175 F	0.9
Rust Test, ASTM D-1743	Pass
Copper Corrosion, ASTM D-130	
24 hrs @ 100 C	1a
Oxidation Stability, ASTM D-942	
100 hrs @ 210 F, psi loss	2
500 hrs @ 210 F, psi loss	9
Timken EP Test, ASTM D-2509	
OK Load, lbs	65
4-Ball EP, ASTM D-2596	
Weld load, kg	500
Load wear index, kg	64
4-Ball Wear, ASTM D-2266	
1200 rpm, 40 kg, 167 F, 1 hr	
scar diameter, mm	0.38

Available in NLGI Grades 1 and 3



Load Carrying Capacity
4-Ball EP Test