



## DYLON GRADE LB-380 HEAVY DUTY SYNTHETIC LUBRICANT

### DESCRIPTION:

**DYLON GRADE LB-380** is a premium, synthetic lubricant formulated to meet the high loads and speeds experienced with a wide variety of open gears in heavy industrial applications such as ball, pebble and rod mills, rotary kilns and dryers, Babbitt bearings, pins, bushings, drum rings, trunions, etc. In addition to open gears, **Dylon LB-380** can also be used on wire ropes, chains, flexible couplings, sliding surfaces of drag lines and shovels, or any application where a heavy, tenacious lubricant is required.

**DYLON GRADE LB-380's** novel, proprietary blend of synthetic stocks provides a high affinity for steel and other metal surfaces, resisting dripping and creeping. Even more important, there are no asphaltic materials, residual reclaimed oils, or solvents that are found in most open gear lubricants. The Tri-Plex™ EP System provides extreme pressure and rust and corrosion protection. The formula is perfectly balanced to eliminate hardening, cracking or decreased adhesive tendencies over a broad temperature range up to 350°F. Its viscoelastic behavior provides a superior film thickness forming a matrix that holds the solid lubricants in place, while lowering the coefficient of friction, allowing energy consumption reductions.

Due to the good inherent cold temperature properties of our proprietary synthetic base stocks, **DYLON GRADE LB-380** stays fluid at temperatures far below asphaltic base products. This greater fluidity dramatically eases application problems, allows better flow and protection of metal surfaces, reduces friction and lowers energy costs. Many asphaltic products will cake up and flake at cold temperatures.

### FEATURES:

- \* USDA, H-2 approved components
- \* FDA Title 21, CFR 178.3570 components
- \* Title 21, CFR 177.1520 components
- \* Formulated to 12EP plus viscosity
- \* Formulated to meet or exceed, U.S. Steel 224, AGMA 251.02, and DIN 51517 Part 3 industrial gear requirements
- \* High temperature service up to 350°F
- \* Provides outstanding extreme pressure protection for all heavily loaded open gears
- \* Pumps through existing central systems
- \* Will not harm bronze bearing surfaces
- \* Forms a durable water repellent adhesive film on all metal surfaces
- \* Contains no solvents
- \* Contains no asphalt
- \* Easy clean up, non-hazardous disposal
- \* Will not peel, scale or crack
- \* Separates easily from water
- \* Protects against bearing and gear corrosion
- \* High load bearing capability
- \* Bio-responsible, will not harm the environment
- \* Safe, high flash point
- \* Lower friction reduce operating temperatures

### BENEFITS:

- \* Reduced lubricant consumption
- \* Lower maintenance costs
- \* Reduced friction to increase equipment life at lower energy costs
- \* Increased equipment life
- \* Reduced labor costs
- \* Assists in ease of complying with regulatory requirements



## **TYPICAL CHARACTERISTICS**

<b><u>Test</u></b>	<b><u>Method</u></b>	<b><u>LB-380</u></b>	<b><u>USS 224 Spec.</u></b>
Color	Visual	Metallic	N/A
Texture	Oily	N/A	
Solvents	None	N/A	
Viscosity	Brookfield Cone	AGMA 12 EP	N/A
Density, lbs./gal	D 1298	7.8	N/A
Flash Point, °F	D 92	350 min.	N/A
Pour Point, °F	D 97	20	N/A
Timken, OK load, lb.	D 2509	65	60
Four Ball EP			
Weld, kg	D 2783	680	250
Load Wear Index	D 2783	82	45
Scar Diameter, mm	D 2266	0.24	0.35
Coefficient of Friction (120°F, 32T/in <sup>2</sup> )	P-O-D	0.05	N/A
Steel Corrosion	D 665 A/B	Pass	N/A
Copper Corrosion	D 130	1A	1

**Note:** For higher temperature applications that require a more thermally resistive lubricant there is a **Grade LB-380H**. **Grade LB-380H** has the same protective features as LB-380 while having a AGMA 14EP viscosity.

### **PACKAGING:**

12 x 12.5 oz. caulking tubes per case (**Note: LB-380H ONLY**)  
 35# (5 Gallon) Pails  
 120# Kegs  
 400# Drums & Totes

*DYLON is a manufacturer of industrial lubricants with over 40 years of experience and has produced over 100,000,000 lbs. of proven lubricant solutions. If one of your special needs requires a unique lubricant, a custom formula can often be designed for you. This special customer service is there when you need it. Dylon specializes in research and development, constantly providing new and improved products, so you receive the best and most up-to-date technology first. Dylon's INDUSTRY ENGINEERED lubricants make equipment and machinery run better and last longer at a lower overall cost.*

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