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VANDERBILT

Technical Data

Petroleum Department

VANLUBE® 0902

Lubricant Additive

Multifunctional Additive Package for High Performance Grease

Typical Properties

Physical State	Liquid
Density at 25°C, Mg/m ³	1.055
Viscosity at 100°C, mm ² /s	12.0
Flash Point, PMCC, °C	>99
Sulfur Content, %	25.6
Phosphorus Content, %	0.9
Nitrogen Content, %	3.5

VANLUBE 0902 additive is a metal-free multifunctional additive package with global product registration. It is recommended for use at 3.0 to 4.0% weight in Li 12-OH stearate and Li Complex greases. Grease formulated with **VANLUBE 0902** additive should provide excellent corrosion protection, reduce oxidation, minimize wear and carry a high load at extreme pressure conditions. Suitable base grease treated with **VANLUBE 0902** additive at 3.5 to 4.0% should also meet the GC-LB requirement. Typical results obtained in Li 12-OH stearate grease at 3.25% and 3.5%, and in Li Complex grease at 3.5%, are provided below:

	MASS PERCENT		
VANLUBE 0902 additive	3.25	3.5	3.5
NLGI #2 Li 12-OH Base Grease	96.75	96.5	---
NLGI#2 Li Complex Base Grease	---	---	96.5
ASTM Test Method			
D2596 4-Ball EP			
Weld Load, kgf	250	315	315
D2266 4-Ball Wear			
75°C, 1200 rpm, 40 kgf, 1h, scar dia., mm	0.5	0.5	0.5
D2509 Timken OK Load, lb			
	60	60	55
D4048 Copper Corrosion			
Rating	1b	---	1b
D942 Oxidation Stability			
100h @ 99°C psi drop	5	---	4
D3527 High Temp. Life, h			
	---	100	80
D1743 Rust Protection			
	Pass	---	Pass
D6138 EMCOR Rust Test			
100% DW	0,0	---	0,0
100% SSW	2,2	---	2,2

VANLUBE is a registered trademark of R.T. Vanderbilt Company, Inc.

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