

MOV LONG LIFE GRADE 1 PRODUCT DATA SHEET

A state of the art high performance grease marked by its exceptional mechanical stability, very high load carrying properties, excellent thermal stability and particularly excellent resistance to water, corrosion, and the effects of radiation. Plus, it is formulated with a high performance Group II base oil and a patented antioxidant package.

Typical Values: General Properties

Thickener	Calcium sulphonate
NLGI Grade	1
Color	tan
Texture	smooth
Penetration: mm/10 worked at 25EC, ASTM D-217	325
Dropping Point: EC, ASTM D-2265	318
Base Oil Viscosity: cSt, ASTM D-445 @40EC	95
@100EC	10.8

Extreme Pressure/Wear Performance

Timken OK Load: kg, ASTM D-2509	27.2
4 Ball Extreme Pressure: ASTM D-2596: load wear index, kg	62.5
weld point, kg	500
4 Ball Wear: scar diameter (mm), ASTM D-2266	0.49

Leakage/Separation Characteristics

Oil Separation: mass %, ASTM D-1742	0.1
Oil Separation: %, FTM 321, Cone bleed @ 100°C, 24 hours	4.92
Wheel Bearing Leakage: grams, ASTM D-4290	6.0
Water Washout: % loss, ASTM D-1264 @79°C	3.5

Stability

Worked Stability: ASTM D-217, % change after 100,000 stokes	2.7
Shell Role, ASTM D-1831, % change from baseline 25°C	1.9
25°C + 50% water	-3.1
77 °C	+0.9
77 °C+ 50% water	-2.5

Corrosion Resistance

Rust Test Rating: ASTM D-1743	pass
Salt Fog Rust Protection: hours, ASTM B-117, 1 mil d.f.t.	>300
Copper Strip Corrosion: ASTM D-4048	1b

Oxidation Resistance

Bomb Oxidation: psi drop after 500 hours, ASTM D-942	5.5
Bearing Life: hours, ASTM D-3527	220

Low Temperature Properties

Torque: ASTM D-1478 @ -29°C (-20°F) , g-cm,	
start	2500
run	1500

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