

TECHNICAL DATA SHEET

OMCO-H1-L

Product Description and Intended Use

OMCO-H1-L is an NLGI No. 2 high performance lubricating grease used where incidental contact with food is a possibility. It contains unique thickener technology, synthetic base fluids and proprietary additives. It excels in applications where resistance to water washout and broad operating temperatures are absolutely necessary along with low torque at low temperatures. The formulation of this product provides unsurpassed resistance to extreme pressures and corrosion, including salt spray. OMCO-H1-L also has exceptional mechanical stability even in the presence of water. It contains no heavy metals or other environmentally undesirable additives.

Product Application

OMCO-H1-L can be applied from ambient temperatures of -40° F to +400° F (-40° C to +204° C) depending on lubrication system design and method of application. OMCO-H1-L has an operating range of -60° F to +400° F (-51° C to +204° C) once in the application. Follow equipment manufacturer's recommendations concerning lubrication frequencies.

Product Specifications - Typical

NLGI Grade	2
Color.....	Tan
Texture	Smooth
Worked Penetration, ASTM D-217	
60 strokes.....	265-295
100,000 strokes change from 60 strokes	±5%
Dropping Point, °F(°C), ASTM D-2265.....	572(300)
Oxidation Stability, PSI Loss, ASTM D-942	
100 hours	0.50
Oil Separation, ASTM D-1742.....	0.2%
Four Ball EP, Weld Point, kg ASTM D-2596	620
Four Ball Wear, Scar mm, 40kg 1200 RPM @ 75°C, ASTM D-2266	0.45 max.
Timken OK Load, lb, ASTM D-2509	65
Salt Fog, hrs, ASTM B-117	+2,500
Water Washout, % loss, 175°F (79°C), ASTM D-1264	2.75
Wheel Bearing Leakage, % loss, gms, modified 325°F (163°C), ASTM D-1263	0.4
Copper Strip Corrosion, ASTM D-4048	1a
Corrosion Preventive Properties, ASTM D-1743.....	Pass
Low Temperature Torque, -40°F (-40°C), gram-cm, ASTM D-1478	<1,000
Base Oil Characteristics	
Viscosities:	
@ 210°F,SUS, ASTM D-2161	53
@ 100°F,SUS, ASTM D-2161	235
@ 100°C,cSt, ASTM D-445.....	7.89
@ 40°C,cSt, ASTM D-445.....	46
Viscosity Index, ASTM D-2270.	142
Pour Point, °F(°C), ASTM D-97	(-58)-50 max
Flash Point, °F(°C), ASTM D-92.....	(491)255