

PETRO-GARD® LCH-100

SYNTHETIC LITHIUM COMPLEX HYDROCARBON GREASE

PETRO-GARD® LCH Series synthetic greases are heavy-duty multipurpose lubricating greases with development emphasis on long-term and lifetime lubrication of rolling element bearings under moderate to high load. The special lithium complex soap thickener and synthetic hydrocarbon base oil are proven components for high temperature operation. Special anti-oxidant blended additives provide oxidation stability at both low and high temperatures. Synergistic corrosion inhibitors offer protection for both ferrous and yellow metals, which are commonly used in today's rolling element bearings. NSF H-2 registered, meets USDA 1998 H-2 guidelines – Can be used in food plants for non-food contact. Contains no carcinogens and is environmentally friendly.

PHYSICAL PROPERTIES:

Property	Petro-Gard LCH-100
Color	Beige
Texture	Homogenous
Base Oil -ASTM D 446	Synthetic hydrocarbon
Viscosity at 40°C cSt	103
Viscosity at 100°C cSt	15
Viscosity Index	150
Thickener Type	Lithium complex soap
Density at 20°C g/cm3	0.870
Service Temperature	-40°F to 285°F -40°C to 140°C
NLGI Grade	2
Drop Point -ASTM D 2265	Approx 280°C
Penetration Worked 60 ds	280 1/10 mm
Prolong worked 100,000 ds ASTM D 217	310 1/10 mm
Oil Separation -ASTM D6184	< 3%
4-Ball Wear - ASTM D 2266	0.47mm, 0.47mm
4-Ball Load Wear Index	43
Last non seizure load	80-kg (0.39mm)
Last seizure load	250-kg (2.02mm)
Weld load, kg ASTM D 2596	315
Corrosion Preventative Properties – ASTM D 1743	Pass
Corrosion Preventative Properties EMCOR	0/0
ASTM D 6138	
Copper Corrosion ASTM D 4048	1b
Timken OK Load, lbs ASTM D 2509	70

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