



PRODUCT BULLETIN

EXTREME PERFORMANCE GREASE

The grease to use where others fail. L80 is a blend of Polytetrafluoroethylene (PTFE) fluorocarbon particles in a specially prepared lithium-based, water-repellent grease. L80 can be used in almost any greasing application to improve lubrication and reduce temperature and wear.

Benefits and Properties:

L80 keeps water and dust out while a plating of PTFE is applied to the mating surfaces under working conditions. Seal performance is improved and operating temperature reduced, resulting in less grease "throw". L80 is applicable to the majority of situations specifying grease lubrication, especially in high pressure, water and salt-water conditions including wire ropes.

L80 has a continuous temperature operating range of -9°C to 150°C.

L80 provides a residual lubrication, which is added insurance, combined with savings through less wear and downtime, making it an economical benefit. Smoother running, increased efficiency and prolonged machinery life, less labour and less volume of lubricant, all indicate higher profits. Where L80 has been used on a continuous basis, seizing and pitting will not occur on the friction surfaces.

Applications:

The list below is only indicative of the applications of L80 grease.

Vehicles	Marine Equipment	Miscellaneous
Universal joints	Sump and bilge pumps	Cables
Wheel bearings	Deck winches	Bearings
Leaf springs	Trawl ropes	Bushings
King pins	Boat trailer bearings	Guides
Chassis	Outboard fittings	Cams
Tow balls	Stern tube bearings	Valves
Water pumps	Propeller shafts	Slides
Turntables	Anchor winches	Pumps
Clutch release bearings	Rudderpost bearings	Mining equipment
Ball joints		Conveyors
		Farm machinery
		Production equip.

Packaging:

- 450 gm tub (20 per shipper) * Part No. L80-T
- 450 gm cartridge (24 / shipper) * Part No. L80-C
- 2.5 kg tin (6 per shipper) * Part No. L80-2.5
- 20 kg drum (single unit) * Part No. L80-20
- 180 kg drum



Typical properties:

TESTS	ASTM	NULON L80
NLGI N°		2
Soap Type		Lithium 12 Hydroxystearate
Colour		Dark red
Texture		Smooth, buttery
Penetration @ 25°C	D217	
Unworked	D217	290
Worked, 60 strokes	D217	275
Worked, 10,000 strokes	D217	292
Change %	D217	1.06
Dropping Point °C	D2265	190
Roll stability	D1831	
Penetration change %		+12
Leakage, wheel bearing	D1263	
65g, packed, 163°C g		1g
Water washout @ 80°C %	D1264	3.5
Oil separation	D1742	
24 hours @ 25°C kPa		2
Oxidation stability	D3336	
Pressure drop @ 100 hour kPa		15
Pressure drop @ 500 hour kPa		70
Lubrication life, bearing N°204	D336	
10,000 rpm, 163°C, hours		125
Rust prevention rating	D1743	1
Timken OK load, kg	D2509	23
4 Ball EP test	D2596	
Load wear index		40
Weld point, kg		290
4 Ball wear test, 40 kg, 1 hour	D2266	
1200 rpm @ 75°C scar, m		.034
Ball joint test	D3428	
Brine sensitivity		Pass
Torque stability		Pass
Base oil, cst @ 40°C	D445	143
@ 100°C	D445	14

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