

OPEN GEAR LUBRICANT 1279

Spanjaard Open Gear Lubricant 1279 is a black water resistant heavy duty tacky lubricant with extreme pressure, low friction and anti-corrosion properties. It was developed to replace the outdated, difficult to apply, and exceptionally messy, conventional bituminous lubricants for open gears and other heavy duty applications. **Spanjaard Open Gear Lubricant 1279** does not contain solvents, which are environmentally undesirable.

APPLICATIONS

The solid lubricants it contains, gives it greatly improved lubricating and load carrying properties, while its stable consistency enables it to be reliably applied by an automatic lubricator. The volume used is far less than for bitumen-type lubricants. It will not wash off in wet conditions and protects the gears from corrosion. **Spanjaard Open Gear Lubricant 1279** does not contain any grit or abrasive material.

Due to its unique characteristics, it will function as a highly fortified molybdenum disulphide grease in all types of slow speed plain and anti-friction bearings, where water is a problem, especially those under high loads.

- Lubrication of heavy duty open gears of ball and rod mill drives in the mining industry.
- Slow moving, plain bearings, pins, bushes, ring gears and slides.
- Winch open gears; bearings and ropes, in marine conditions; where water and corrosion cause problems.
- Lubrication of Sheave wheel bearings, and wire ropes of slag grabs, operating in abrasive and hot water conditions in the Iron & Steel Industry.
- Lubrication of anti-friction sewerage pump bearings, in difficult to reach and wet conditions.

TYPICAL PROPERTIES

Colour	Black
Dropping point, 1,10mm (D566), °C	>180
Operating Temp °C	-20 to 130
Thickener	Polythium
Dynamic Anti-rust test (IP 220) (0 = excellent, 5 = poor)	0
Corrosion (D 665)	Pass
Timken OK load, Pass (D 2509)kg	27,2
Four Ball - Load Wear Index (D 2596)	118
Four Ball - Weld Load (D2596), kg	>800
Four Ball - Wear Scar Diam (D2266) (1200 rpm) 1 h @75°C, mm	0,73
FZG (DIN 51354), A/8, 33/90, Pass Stages	12
Viscosity, NLGI 00 Grade, cSt at 100°C	4160
US Steel Retention, Minutes	>30
Extreme Pressure Additives	Yes
Load-carrying capacity (SRV load test)	
N	
at 25°C	500
at 55°C	400
at 80°C	500
Wear characteristics (scar diam) SRV wear test	
mm	
at 25°C	0,80
at 55°C	0,70
at 80°C	0,75
Friction characteristics (SRV friction test)	
μ	
at 25°C	0,066
at 55°C	0,095
at 80°C	0,098

APPLICATION INSTRUCTIONS

Grease gun, brush, hand application and automatic lubricators. **Spanjaard Open Gear Lubricant 1279** is available in 4 consistencies to meet the requirements of various types of automatic lubricators i.e. NLGI 00, 0, 1, 1½.

For open gears we suggest the use of a stroboscope to monitor and set the correct volume of lubricant for the gear, thus the amount of grease can actually be seen on the gear tooth. As our lubricant is not affected by wide ranges of ambient temperatures, heating apparatus is not required. It will not solidify on cold winter mornings or over supply in the heat of the day.

CONSISTENCIES

Four consistencies are available.

		<u>WORKED PENETRATION</u>
1279	(Std NLGI No. 1½)	290 - 320
1279/1	(NLGI No. 1)	310 - 340
1279/0	NLGI No. 0)	355 - 385
1279/00	NLGI No. 00)	400 - 430

HANDLING AND STORAGE

Store under cover with lid closed. Remove excess from skin and wash with Spanjaard Hand Cleaner.

PACKAGING

Containers: - 15kg, 50kg, 180kg.



CP/mg/ OGL1279 – July 2016

**Certified as an
ISO 9001 Manufacturer
by the SABS**

**Manufacturers & Distributors of
Special Lubricants & Allied
Chemical Products**

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