



904 Grease

Efficient performance calcium grease

Product description

904 Grease NLGI 1 is an efficient performance smooth calcium soap grease, formulated with 12% graphite for curved rail lubrication.

Customer benefits

- Helps prevent metal-to-metal contact between wheel flange and rail, maintaining wear resistance
- Assists extensive and even lubrication cover along rail sides
- Contributes to noise reduction on curves
- Aids lubricity performance for improved fuel economy
- Suitable for a wide variety of track and wheel lubricator systems

Applications

- The frictional forces developed by steel train wheels rolling on rails, combined with the steering forces exerted by the rail rubbing against the wheel increases energy consumption and accelerates the wear of both wheel (tread and flange) and rail. This can be a serious problem, particularly for systems operating heavily loaded unit trains or tracks having numerous curves. Proper lubrication of the rail at critical locations may contribute to significantly lower maintenance costs and help increase fuel efficiency
- 904 Grease NLGI 1 is used extensively in automatic lubricators located at the side of the rail such that the wheel flange picks up the grease and spreads it on the side of the rail

Product highlights

- **Helps prevent metal-to-metal contact and wear**
- **Assists extensive and even lubrication**
- **Contributes to noise reduction on curves**

Selected specification standards include:

DIN

ISO

- 904 Grease NLGI 1 can also be recommended where a graphite grease is required such as on brake cables, springs, door handles, slides, guides, chains, screws, cams, rack and pinion sets in industrial applications
- It can also be used in sawmills, plywood presses and chain tracks
- **Equivalent:** Chevron Curve grease CPS nr 253469 & Texaco 904 Grease (NLGI 0-1)

Approvals, performance and recommendations

Performance

	DIN 51 502	ISO 6743-09	Operating temperature
904 Grease NLGI 1	MF1C-30	ISO-L-XCAHA1	-30 up to +60 °C

Typical test data		
Test	Test methods	Results
NLGI Grade	DIN 51 818	1
Product Code		027341
Soap type	DIN 51 814	Calcium
Soap content, %	-	13
Colour	Visual	Black
Texture	Visual	Smooth
Dropping Point, °C	ISO 2176	Min 88
Oil type	-	Mineral
Base oil viscosity at 40 °C, mm ² /s	DIN 51 562	100
Base oil viscosity at 100 °C, mm ² /s	DIN 51 562	8
Penetration worked, 0.1 mm	ISO 2137	310-340
Graphite content, %	calculated	12

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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