

## Product Data Sheet

### **Diff Oil LS 90**

*High Quality, Extreme Pressure Limited Slip Gear Oil*

Diff Oil LS 90 is a limited slip automotive differential oil. It is a high quality, extreme pressure automotive gear oil specifically designed for limited slip rear drive differentials, particularly those with 'cone clutch' design. Recommended for the majority of limited slip hypoid differentials, either plate or cone clutch in rear wheel drive cars, 4WD vehicles and light trucks under all operating conditions. Heavy duty lubricant recommended for hypoid or spiral axles, both with and without "limited slip" design.

**Caution:** Diff Oil LS 90 is not approved for use in the differential of Commodore V8 and Holden 6- and 8-cylinder utilities that require a special GMH/BTR approved synthetic lubricant available from GMH dealers. Diff Oil LS 90 can be used in differentials of Falcons with V8 engines.

#### **Summary of Benefits:**

- Fills a dual role as both a limited slip and conventional oil, to rationalise grades
- High level of performance ensures very good wear protection
- Controlled friction modifiers provide quiet, anti-chatter operation of limited slip differentials

#### **Specifications:**

- API: GL-5, PG-2, MT-1
- SAE Viscosity: 90
- SAE: J-2360
- Arvin Meritor: 076-D
- BTR: 5M-31, 5M-36
- Ford: M2C 1006-A/B, M2C 1013-A, M2C 104-A
- Ford: M2C 105-A, M2C 197-A
- GM: HN 1181, HN 1187, HN 1386, HN 1561
- Mack: GO-J
- US Military: MIL-PRF-2105E
- ZF: TE-ML 02, 05A/C, 07A, 08, 12C, 17B



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**Product Code:** 4006

**Product Size:** 1L, 2.5L, 5L, 20L, 60L, 205L

### Typical Characteristics:

Density at 15°C (kg/L)	0.89
Flash Point COC (°C)	216
Pour Point (°C)	-12
Kinematic Viscosity at 40°C mm <sup>2</sup> /s (cSt)	145.9
Kinematic Viscosity at 100°C mm <sup>2</sup> /s (cSt)	14.9
Viscosity Index	102
Timken OK Value (kg)	27
Four Ball Test at Weld Load 10 seconds (kg)	430
Four Ball Test at Wear Scar 20kg-100 minutes (mm)	0.3

*\*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute a legal liability.*

### Storage:

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

### Health, Safety and Environment:

A Safety Data Sheet (SDS) is available for each product. Users should consult the SDS, and follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

The Safety Data Sheet is available at Royal Precision Lubricants website [www.royallubricants.com.au](http://www.royallubricants.com.au) or by email: [info@royallubricants.com.au](mailto:info@royallubricants.com.au).

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