



**THE INNOVATIVE  
AUSTRALIAN**

## Product Data Sheet

### Titanium

## Racing Driveline oils

HIGH PERFORMANCE RACING DIFFERENTIAL AND GEARBOX OILS

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Titanium Racing Driveline oils cover a wide range of high-performance applications where proprietary formulations are required to reduce wear, temperatures and prolong running component life.

Covering gearboxes requiring both GL-5 and GL-4 performance levels right through to differentials using GL-5 80W-90 and 80W-140 viscosities the range excels in modern-day racing applications.

### **Titanium Racing 75W-90 LS**

Titanium Racing Gear Oil 75W-90 LS is a premium, full synthetic gear oil manufactured with PAO and Ester base oils especially designed for the rigors of racing. Blended with a unique additive formulation developed to deliver superior wear protection in racing gear boxes and differentials under full load racing conditions. The primary application is for racing differentials but can be used where a manual gearbox or trans-axle requires GL-5 oil.

### **Titanium Racing 80W-140 LS**

Titanium Racing Gear Oil 80W-140 is a premium, full synthetic gear oil manufactured with PAO and Ester base oils especially designed for the rigors of racing. Blended with a unique additive formulation developed to provide superior wear protection in racing differentials under full load racing conditions. Due to its special high anti-wear additive system, this oil is only for highly loaded racing differentials.

Racing Syngear LS 80W-140 is designed to give maximum protection to differentials under the most arduous operating conditions where heat and shock load are major factors.

### **Titanium Racing 75W-90 GL-4**

Titanium Racing Gear Oil 75W-90 GL-4 is a premium, full synthetic gear oil manufactured with PAO and Ester base oils especially designed for the rigors of racing. Blended with a unique additive formulation developed to provide superior wear protection in racing gear boxes under full load racing conditions. Titanium Racing Gear Oil 75W-90 GL-4+ can also be used in place of an SAE 80W-90 gearbox oil, especially to improve cold shift problems, where the lower start up viscosity will provide an easier shift.

**Note:** Titanium Racing Gear Oil 75W-90 GL-4+ is not suitable for use in differentials that require API GL-5 or higher.

**Product Code:** 1716 – 75W-90LS, 1715- 80W-140, 1717- 75W-90 GL4

**Product Size:** 2.5L, 20L, 205L, 1000L

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**WWW.ROYALLUBRICANTS.COM.AU**

**Brisbane:**

1-7 Potassium Street, Narangba,  
QUEENSLAND, AUSTRALIA 4504

**Tel: +61 7 3203 0089 Fax: +61 7 3203 3700**

**...DRIVEN BY PERFECTION**

**Melbourne:**

40 Kimberley Road, Dandenong South,  
VICTORIA, AUSTRALIA 3175

**Tel: +61 3 9768 2441 Fax: +61 3 9768 3325**



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The range covers 3 key categories for modern motorsport applications:

- 1. A full dedicated GL-4 gearbox oil for gearboxes containing yellow metals**
- 2. A Universal gearbox and differential oil covering GL-5 and Limited Slip applications**
- 3. A heavy duty, high viscosity differential oil for use in all larger high-performance differentials**

The full range of Titanium Racing gear oils cover the following racing applications including Sprint car, Drag Car, Street Modified, Drifting, Burnout, Hill climb, Touring car and many other categories calling for high performing racing gearbox and differential oils.

### Summary of Benefits:

- 100% PAO / Ester for the ultimate thermal and shear stability.
- Prolonged component life through better protection of vital components under extreme load, pressure and thermal conditions.
- Proprietary additives deliver reduced wear, reduced oxidation and oil degradation leading to better component life and potential longer drain intervals.



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### Typical Characteristics:

Characteristic	75W-90 LS	80W-140 LS	75W-90 GI-4
Density at 25°C (kg/L)	0.88	0.89	0.88
Flash Point COC (°C)	205	210	205
Kinematic Viscosity at 40°C mm <sup>2</sup> /s (cSt)	86.4	221	87.8
Kinematic Viscosity at 100°C mm <sup>2</sup> /s (cSt)	15	25.5	15
Viscosity Index	184	146	181

\*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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