



**THE INNOVATIVE  
AUSTRALIAN**

## Product Data Sheet

### Endurance

## **Titanium Racing 10W-50**

Full Synthetic, PAO and Ester Engine Oil



Endurance **Titanium Racing** 10W-50 is specifically designed to lubricate high-performance race tuned spark ignition engines. Blended with full **PAO & Ester** base oils, Endurance **Titanium Racing** 10W-50 is fortified with an advanced Titanium anti-wear and High ZDDP (Zinc) additive system.

Scientifically formulated, the combination of ultra-shear stable base oils, Titanium additive and increased ZDDP (Zinc) levels work together synergistically to ensure Endurance **Titanium Racing** 10W-50 delivers exceptional performance under high loads, high temperatures and speeds typically experienced by high revving engines in competition racing conditions.

### **Applications:**

Endurance **Titanium Racing** 10W-50 is suitable for use with a variety of competition fuels including petrol, methanol, and other fuel types. With Methanol and Nitro methane type fuels we recommend short oil change intervals to prevent degradation of the oils performance due to fuel dilution.

Endurance **Titanium Racing** 10W-50 can be used in highly stressed naturally aspirated, turbocharged and supercharged engines. Endurance **Titanium Racing** 10W-50 with advanced Titanium anti-wear technology offers unsurpassed protection of pistons, bearings, cylinder walls, and valve train components beyond the performance levels of conventional passenger car engine oils.

Endurance **Titanium Racing** 10W-50 is recommended for all performance engines requiring a 10W-50 oil viscosity and typically suits four, six and 8 cylinder racing engines used in drag racing and circuit racing competitions.

The primary recommendation for Endurance **Titanium Racing** 10W-50 is for dedicated motor sport applications where high stress, high heat and load situations are encountered.

Please consult Royal Technical division if you are unsure of your application.

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### Summary of Benefits:

- A combination of Titanium and ZDDP (Zinc) maximises cam lobe and drive train components protection minimising component wear
- Titanium Technology maximizes bearing protection and offers superior anti-wear
- PAO Ester Synthetic base oils offer shear stability and maintains optimal oil pressure
- Resists viscosity shearing under high load, high torque applications
- Maximizes obtainable horsepower through advanced low frictional characteristics
- Suitable for use in most competition and performance racing engines
- May be used with a variety of competition fuels
- Provides excellent piston ring sealing

### Specifications:

- API: SN/CF
- ACEA: A3/B3
- SAE Viscosity: 10W-50

**Product Code:** 1712

**Product Size:** 5L, 20L, 205L



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### Typical Characteristics:

Density at 15°C (kg/L)	0.858
Flash Point COC (°C)	240
Pour Point (°C)	-36
Kinematic Viscosity at 40°C mm <sup>2</sup> /s (cSt)	117.9
Kinematic Viscosity at 100°C mm <sup>2</sup> /s (cSt)	17
Viscosity Index	158
Sulphated Ash (%m)	0.96

*\*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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