



**THE INNOVATIVE
AUSTRALIAN**

Product Data Sheet

Competition

Titanium Racing 40-70

Performance Racing Engine Oil

Competition **Titanium Racing** 40-70 is formulated with ultra-shear base oils and non-friction modified engine oil additives specifically designed to lubricate high-performance race tuned engines that have been modified to incorporate high volume oil pumps and wider main and connecting rod bearing clearances.

Scientifically formulated, the combination of high viscometrics, **ZDDP (Zinc) and Borate Esters** work together to ensure Competition **Titanium Racing** 40-70 delivers exceptional and extreme performance under high loads, high temperatures and speeds typically experienced by high revving engines in competition racing conditions.

Applications:

Competition **Titanium Racing** 40-70 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.

Competition **Titanium Racing** 40-70 offers exceptional oil film thickness and assists in providing a viscometric oil layer of protection between metal surfaces. The secondary level of protection is provided by ZDDP (Zinc) and Borate Ester anti-wear formulation.

Competition **Titanium Racing** 40-70 can be used in highly stressed naturally aspirated, turbocharged and supercharged engines.

Competition **Titanium Racing** 40-70 offers unsurpassed protection of pistons, bearings, cylinder walls, and valve train components beyond the performance levels of conventional passenger car engine oils.

Competition **Titanium Racing** 40-70 is recommended for performance engines requiring a thicker oil viscosity and typically suits 6 and 8 cylinder racing engines used in drag racing and circuit racing competitions.

Competition **Titanium Racing** 40-70 **is not recommended** for typical passenger car service.

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

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...DRIVEN BY PERFECTION

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VICTORIA, AUSTRALIA 3175

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

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Summary of Benefits:

- A combination of High film thickness and ZDDP (Zinc) and Borate Esters maximises cam lobe and drive train components protection minimising component wear
- Resists viscosity shearing under high load, high torque applications
- May be used with a variety of competition fuels
- Provides excellent piston ring sealing
- Provide corrosion protection from methanol
- Suitable for use in most competition and performance racing engines

Specifications:

- API: SL/CF
- SAE Viscosity: 40-70



Product Code: 1702

Product Size: 5L, 20L, 205L

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Typical Characteristics:

Density at 15°C (kg/L)	0.90
Flash Point COC (°C)	240
Pour Point (°C)	-20
Kinematic Viscosity at 40°C mm ² /s (cSt)	339
Kinematic Viscosity at 100°C mm ² /s (cSt)	27.5
Viscosity Index	109
Sulphated Ash (%m)	1.0

**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 or by email info@royallubricants.com.au

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