



**THE INNOVATIVE
AUSTRALIAN**

Product Data Sheet

Competition

Titanium Racing 25W-60

Ultra-High Performance Racing Engine Oil

Competition **Titanium Racing** 25W-60 is 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 ultra-shear stable base oils, Titanium additive and increased ZDDP (Zinc) levels work together synergistically to ensure Competition **Titanium Racing** 25W-60 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** 25W-60 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 oil's performance due to fuel dilution. Please consult Royal Technical division if you are unsure of your application.

Competition **Titanium Racing** 25W-60 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 the advanced Titanium and Zinc anti wear formulation developed to outperform conventional ZDDP (Zinc) performance levels in typical racing engine oils.

Competition **Titanium Racing** 25W-60 can be used in highly stressed naturally aspirated, turbocharged and supercharged engines.

Competition **Titanium Racing** 25W-60 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.

Competition **Titanium Racing** 25W-60 is recommended for all performance engines requiring a 20W-50 or 25W-60 oil viscosity and typically suits 6- and 8-cylinder racing engines used in drag racing and circuit racing competitions.

Competition **Titanium Racing** 25W-60 **is not recommended** for typical passenger car service.

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

11.04.24 V1

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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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
- May be used with a variety of competition fuels
- Provides excellent piston ring sealing
- Maximizes obtainable horsepower through advanced low frictional characteristics
- Suitable for use in most competition and performance racing engines

Specifications:

- API: SN/CF
- ACEA: A3/B3
- SAE Viscosity: 25W-60

Product Code: 1701

Product Size: 5L, 20L, 205L



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Summary of Benefits:

- A combination of Titanium and increased ZDDP (Zinc) maximises cam lobe components protection minimising component wear.
- Titanium Technology maximizes bearing protection and offers superior anti wear.
- Semi-Synthetic base oils offer shear stability and maintains optimal oil pressure.
- Ultra-low Shear Stability Index Viscosity Index Improver (VII) resists viscosity shearing under high load, high torque applications. This keeps up oil pressure and film thickness.
- May be used with a variety of competition fuels.
- Provides excellent piston ring sealing.
- Maximizes obtainable horsepower through advanced low frictional characteristics.
- Suitable for use in most competition and performance racing engines requiring a high viscosity oil.

Typical Characteristics:

Density at 15°C (kg/L)	0.89
Flash Point COC (°C)	240
Pour Point (°C)	-30
Kinematic Viscosity at 40°C mm ² /s (cSt)	230
Kinematic Viscosity at 100°C mm ² /s (cSt)	25.5
Viscosity Index	140
Sulphated Ash (%m)	1.15
Zinc Content (ppm)	1650
Titanium Content (ppm)	530

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

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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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