

NEXUS

PREMIUM MOTOR CYCLE OILS



**TITANIUM
TECHNOLOGY**

Scientifically Formulated for Ultimate Protection



...DRIVEN BY PERFECTION



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Why use a specific oil formulated for motor cycle engines?

Did you know a modern motor cycle can now produce more brake horse power than ever before? Some 600cc road motor cycle engines can now produce twice the brake horse power per cylinder capacity compared to a modern automotive petrol engines. These high performance motor cycle engines are capable of approaching 15,000 rpm intermittently and require very precise lubrication and protection.

Modern motor cycle engine's deliver up to 3 times more stress on engine oils opposed to their car counterparts. A staggering fact that is the core reason why it's critical to use a purpose designed, high performance oil in your motor cycle.

Royal Precision Lubricants has developed the **NEXUS** premium motor cycle oil range to provide superior performance and protection allowing the Nexus range to easily cope with the higher stress levels generated by modern motor cycle engines and their driveline components.

The **NEXUS** premium motor cycle oil range are truly dedicated high performance motor cycle oils with excellent viscosity and anti wear characteristics. This is achieved by carefully blending PAO/Ester and other quality base oils, as well as the incorporation of liquid titanium anti wear additive technology across the entire range.

When oil degrades, it can create friction and wear that reduces engine efficiency and leads to power loss, clutch shudder and irregular gear change feel.

NEXUS premium motor cycle oils don't degrade between scheduled oil changes, ensuring every type of motor cycle is able to perform at its best under all operating conditions.

The results have proven to be outstanding in all classes of motor cycle engine performance

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Titanium Additive Technology

Royal Precision Lubricants liquid titanium compound added to engine oils creates a wear resistant nanoscale layer bound to the surface of vulnerable engine parts. This anti wear enhancement comes from titanium being chemically bound into the metal structure of the engine's surface, forming a hard oxide, iron titanate protective layer which to date has not been achieved with any other additive technology. The anti wear characteristics of this titanium compound is quite revolutionary.

Liquid titanium additive technology works synergistically with other anti wear additives such as zinc, boron and molybdenum to provide a superior layer of protection that conventional additives cannot deliver. This offers outstanding advantages in high revving, high output engines.

By combining ultra sheer stable base oils that provide exceptional hydrodynamic cushioning and advanced titanium anti wear technology **NEXUS** premium motor cycle oils are able to offer optimal protection in vintage 4-Stroke and modern high revving motor cycle engines alike.

Unsurpassed Benefits of Titanium Additive Technology

- Superior metal surface to surface contact protection and wear prevention
- Nano molecular layering of anti wear additives, bonding to the surface of the metal
- Improved wear resistance in initial cold start up in engine and gearbox components
- Improved lubricity and protection over conventional anti wear technology
- Superior high load, high speed surface to surface contact protection
- Reduced frictional characteristics delivering smoother operation and lower peak temperatures



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Motor cycle Running Components

NEXUS premium motor cycle oil with liquid titanium provides superior protection in motor cycle gear boxes and clutches ensuring vital bearings and clutch disc facings are correctly lubricated and cooled preventing wear and premature failure, and assists in providing smoother gear shifts even under the most arduous conditions. **NEXUS** premium motor cycle oil eliminates notchy gear changes and clutch slippage and provides superior lubrication across a full scheduled oil drain interval.

NEXUS premium motor cycle oil with liquid titanium facilitates a smooth ride, low friction and vibration to ensure durability and longevity. This liquid titanium anti wear has an influence on fuel consumption, engine life and ultimately performance. Bearings in motor cycle engines are subjected to shock loads at high temperatures and high speed rotation. **NEXUS** premium motor cycle oils unique liquid titanium formulation resists shearing stress and high temperature wear on all metal surfaces and bearings.

Royal Precision Lubricants chose liquid titanium technology as the principle anti wear component in the **NEXUS** premium motor cycle oil range due to its unique ability to overcome all types of engine and bearing wear found in the most demanding motor cycle engines and riding conditions.





NEXUS 2TS ULTIMATE

NEXUS 2TS ULTIMATE is a premium, ester synthetic, 2-Stroke motor cycle engine oil formulated and blended to achieve the highest levels of engine protection incorporating the most advanced additive technology available today. Blended with 100% ester synthetic base oils, **NEXUS 2TS ULTIMATE** is fortified with an advanced additive system delivering ULTIMATE protection under racing conditions for all 2-Stroke premix and direct injection systems. The combination of ultra shear stable base oils successfully coupled with Royal Precision Lubricants advanced additive technology ensures **NEXUS 2TS ULTIMATE** delivers exceptional wear protection, ultra clean burning, high temperature and low ash performance.

NEXUS 2TS ULTIMATE offers the following outstanding features & benefits:

- 100% ester synthetic base oil for outstanding heat resistance and performance
- Suitable for oil injection and pre-mix systems
- Synthetic base oil minimises port blocking, ring sticking and minimal exhaust smoke
- Diester base oil provides ULTIMATE lubricity and performance in all applications
- Allows an increase in the fuel/oil ratio permitting higher compression ratios without detonation
- Exceeds the requirements for Sea Doo Jet Ski, high performance engines

NEXUS 2TS ULTIMATE is suitable for use in 2-Stroke engines requiring an oil meeting the API TC, JASO FC, JASO FD, ISO-L-EGC, ISO-L-EGD, Piaggio Hexagon and Aprilia Ditech SR50 performance standards and can be used in premixed and direct injection application.



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NEXUS 4TS ULTRA RANGE

Ultra pure PAO/Ester synthetic base oils

The advantage in using Poly-alpha-olefin (PAO) / Ester base oils in the **NEXUS 4TS ULTRA** range comes from the fact that they are built, rather than extracted and modified, making them uniform and consistent. Virtually all of the oil molecules are the same shape and size, they are free from contaminants and are completely saturated making them more stable than conventional base oils. The **NEXUS 4TS ULTRA** range specifically uses PAO/Ester base oils to offer outstanding, high temperature thermal stability and low temperature pump ability at start up. PAO/Ester base oils also offer extremely high viscosity indices resulting in an ultra-pure and ultra-sheer stable finished product.

Key benefits of using PAO/Ester synthetics

- Exceptional high temperature protection preventing wear and reducing oxidation
- Outstanding cold start fluidity reducing start up wear through better pump ability
- High resistance to thermal breakdown under high rev and high load
- High purity delivering exceptional low varnishing and acid control
- Better oil pressure and superior ring sealing
- Exceptional oxidation control and engine cleanliness
- Exceptional oil film thickness and hydrodynamic lubrication cushioning of bearings

Key features of PAO/Ester synthetics

- High viscosity index
- Ultra high sheer stability
- Very low pour point
- Ultra pure base oil

Specifications:

JASO MA-2 (T903:2011) API: SN

SAE Viscosity: 5W-40, 10W-40 and 15W-50





NEXUS 4T SUPER RANGE

Premium mineral base oils

Premium mineral base oils have been selected to offer better performance over conventional mineral base oils while offering an affordable high performance alternative to PAO/Ester synthetic formulations. Premium mineral base oils deliver excellent thermal stability and resist breakdown and oxidation. Combining this with the same liquid titanium additives Royal Precision Lubricants use in their flagship range of premium PAO/Ester synthetic oils and provides a very high performing, affordable alternative for everyday riding without the expensive price point.

Key benefits of using premium mineral base oils

- Excellent high temperature protection
- Good cold start fluidity
- Improved resistance to thermal breakdown and oxidation
- High purity providing better lubricity, reduced varnishing and acid build up
- Affordable alternative to synthetics whilst maintaining exceptional performance

Key features of premium mineral base oils

- Improved oxidative and thermal stability over conventional base oils
- Better viscosity index resisting breakdown
- Low pour point
- Higher purity over conventional base oils

Specifications:

JASO MA-2 (T903:2011) API: SN

SAE Viscosity: 10W-40, 15W-50 and 20W-50



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FOR THE MAN ON THE LAND

NEXUS 2-STROKE & 4-STROKE RANGE

On farm all terrain vehicles

NEXUS 4-Stroke and 2-Stroke engine oils also exceed the performance requirements of most original equipment manufacturers of all terrain and utility vehicles also including ATV's and UTV's categories.

ATV technology is based upon high end motor cycle engine and transmission technology, therefore the Royal **NEXUS** motor cycle range is the perfect lubricant for your ATV.

The combined additive and base oil technologies in **NEXUS** premium motor cycle oils deliver exceptional oil stability and viscosity control keeping engines running smooth, cool and protected from wear and oxidation under all conditions.

Whether your ATV is racing, farming or adventure touring there is a **NEXUS** 4-Stroke and 2-Stroke engine oils suitable to protect your investment including the following manufacturers Arctic cat, Atomic, Ballistic, Bombardier, Can am, CF Moto, Honda, Kawasaki, Suzuki and many more.



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The Royal (RPL) Advantage

Royal Precision Lubricants is proud to be 100% Australian owned and blend all our lubricants right here in Australia to the highest international lubricants standards. With 2 blending plants located in Brisbane and Melbourne we are uniquely positioned to supply exceptional service right around Australia, New Zealand and abroad. All **NEXUS** 4-Stroke motor cycle oils comply with JASO MA-2 (T903:2011) specifications.

Support

Infield support includes support at multiple levels including trade shows, trade or client nights, instore training for all staff and other personalised services tailored to suit your business requirements. The highest levels of customer service is achieved through unsurpassed in field, online and head office customer service and support.

RPL Technical

Constant development has resulted in a range of motor cycle lubricants which delivers cutting edge, real-world benefits. A fully dedicated motor cycle lube guide is available on our Royal Precision Lubricants website along with technical staff and sales staff support nationally.

Quality Assurance

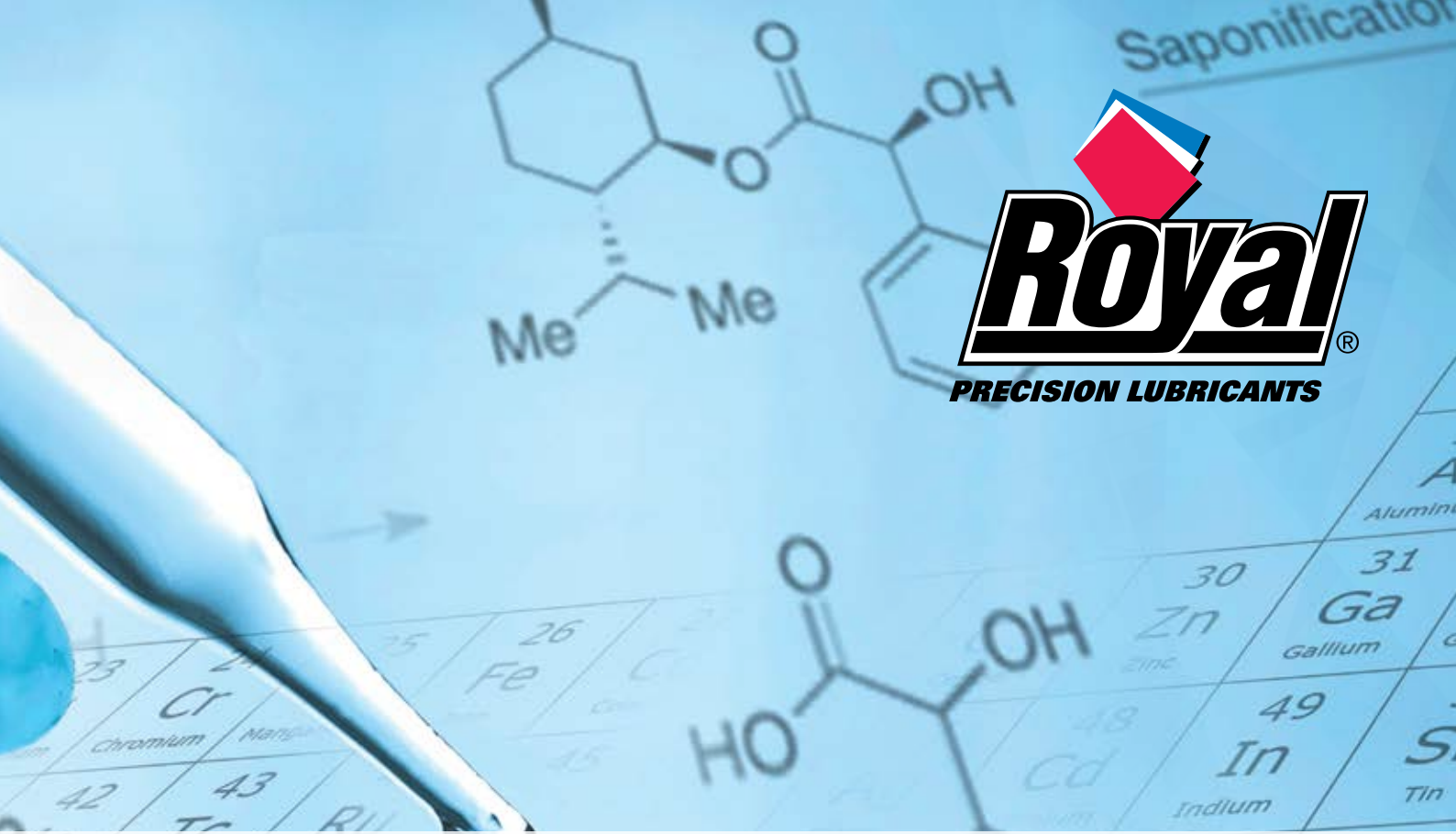
Royal Precision Lubricant's blends are tested and undergo both in-house and external laboratory confirmation they meet stringent in house and global specification requirements prior to decanting into various pack sizes. With full attention to detail under ISO 9000-2015 Accreditation product consistency and performance is our paramount priority.

RPL Care

Regular oil sampling can help reduce maintenance costs and anticipate costly repairs. We provide accessible sampling and analysis services that allow you to monitor oil condition, engine and mechanical performance.

Service

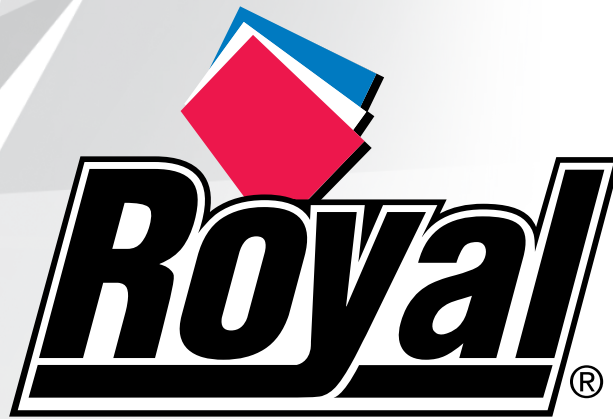
A commitment to service excellence is supported by a national warehouse and distribution network ensuring fast and efficient product delivery when and where you need it.



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