



## PRODUCT INFORMATION & DATA SHEET

# PRINCE® MAXX ULTRA GOLD 4T 5W-40

The Optimum P-10 Ester 100% Synthetic 4T Motor Oil.

PRINCE® MAXX ULTRA GOLD 4T SAE 5W-40 is a forefront development of 100% synthetic ester low-friction motor oil based on our special P-10 Ester Technology for many modern four-stroke two-wheeler. P-10 was derived from our proprietary P-9 Ester Technology that has been emphasize on delivering comprehensive protection and maximum power not only on the engine, exhaust and transmission systems, but also elevate performance on both wet and dry clutches. Proven for obviously better riding experience!

MAXX ULTRA GOLD 4T has been the first-choice lubricant by large number of motorbike enthusiast worldwide.

Our P-10 Ester Technology features high polarity characteristic and very stable oil molecule properties which the product offers optimum lubricating film strength, viscosity 'stay-in-grade', thermal and oxidation stability. It ensures minimum viscosity loss, oil deterioration and no thermal breakdown even under high revving and heavily-loaded operation.

This product is fortified with state-of-the-art additive package that are able to offer outstanding fuel economy, lower emissions output as well as optimal level of engine cleanliness.

This motor oil meets the performance standards of following international specifications:

API SN, JASO MA2

(Being a JASO MA2 standard motor oil, it offers the most effective in clutch slip prevention)

Some of the benefits of using this motor oil:

- A best-in-class 100% synthetic motor oil that even exceeds the performance requirement of JASO MA2, designed to protect all systems especially on wet clutches.
- Excellent friction co-efficient characteristic has been designed to allows very smooth clutches and precise gear shifting engagement.
- High and stable viscosity index (VI) and optimal level of shear stability, able to maintain optimum lubricating film strength for long time.
- Low volatility characteristic of P-10 Ester technology allows minimum oil consumption, thence, it is able to maintain desire oil pressure level.
- Reliable cold-start performance, delivers maximum engine and clutches protection in large temperature fluctuation.
- Outstanding oxidation stability guarantees minimum additive depletion and oil deterioration, thus the lubricants are able to maintain its performance.
- Optimum cleaning agents and dispersant properties ensure engine cleanliness, effectively minimize deposits build up in engine and exhaust parts.
- Protect against sludge, varnish, corrosion and foam formation with our highly effective additive and inhibitor package.
- Suitable for use with both integrated and non-integrated. Tested safe on modern engines fitted with catalytic converters.

## Areas of application

Suitable to use in contemporary four-stroke engines that are compliance up to EURO 5 standard with wet or dry clutches, integrated or non-integrated gearbox that are powered by gasoline fuels. Ideal for application in high-performance super bikes, speed bikes, hill climb bikes as well as common street bikes, road bikes, all-terrain vehicles equipped with catalytic converters and air injection into exhaust pipes system.

Not suitable to use in scooters, mopeds that manufacturer called for a lubricant with JASO MB standard and requirements. Not suitable to use in off-road trial bikes, Motocross, enduro bikes.

Recommended to use in track-ready powerful four-stroke engines. Compatible with racing fuels.

## Typical properties

<u>SAE Viscosity</u>		<u>5W-40</u>
Viscosity Index (VI)	ASTM D2270	167
Viscosity at 100 °C; mm <sup>2</sup> /s	ASTM D445	14.7
Viscosity at 40 °C; mm <sup>2</sup> /s	ASTM D445	90.2
Density at 15 °C; kg/m <sup>3</sup>	ASTM D4052	854.0
CCS Viscosity at -30 °C, mPa*s	ASTM D5293	5950
Flash Point; °C	ASTM D92	238
Pour Point; °C	ASTM D97	-36
Total Base Number	ASTM D2896	7.5

## Service recommendations

Follow the service interval and operating instructions of manufacturers. Observe the owner's manual. Recommend to flush before add in new oil.

## Commercially available product compatibility

Our 100% synthetic motor oil is compatible with other fully synthetic, synthetic and/or conventional motor oils. Peak performance is guaranteed only upon using alone without mixing with other motor oils. Our motor oil products are designed and developed with appropriate additive package. Hence, aftermarket oil additive products are not recommended for used alongside.

## Product availability

This product may not be available locally. Contact your local distributor.

The information show herein is subject to change without noticed. The product indicated here have been developed by PRINCE LUBRICANTS for use in the areas of applications shown. We reserve all right to alter the characteristics and product properties to align with continually technical development.