

## Puma Advanced S 5W-30

### Premium Full Synthetic Engine Oil

Puma Advanced S 5W-30 Oils are high quality multi-grade long drain lubricating oils. These oils provide increased engine protection through increased oxidation resistance and anti-wear additive package. Specially developed for use in Diesel and Petrol vehicles fitted with advanced emission systems such as DPF (Diesel Particulate Filters) or TWC (Three Way Catalytic Converters). Puma Advanced S 5W-30 oil is also suitable to be used in 4WD vehicles requiring ACEA C2/C3 or API SN/CF specifications\*

- ✓ Anti-wear Protection
- ✓ Oxidation Resistance
- ✓ Engine Cleanliness

### Designed to Perform

#### Anti-wear Protection – Longer Equipment Life

Proven anti-wear additive packages provide greater resistance to sliding wear thus ensuring efficiency and long life of all moving parts of which greatly reduce the need for engine servicing and overhauls.

#### Multi-grade Performance

Suitable for all year use, in most climatic conditions. An enhanced viscosity index improver allows for the engine oil to give excellent protection during cold start-ups and extremely hot conditions.

#### Oxidation Resistance - Longer Oil Life

It has extremely good oil life and lubricant stability even when subjected to unusually high thermal stresses; this property minimises sludge and deposit formation, thus preventing blocking of ports, valves and controls, while guaranteeing that the oil remains properly fluid. Maintenance costs are therefore reduced and the useful service life of the oil is extended.

#### High Detergency – Increased Engine Cleanliness

It has excellent detergency properties, making it particularly suitable for use in supercharged engines. It also has high dispersant properties. The lubricant is thus very resistant to the formation of lacquer and varnish, as well as sludge and other engine deposits. It helps prevent ring sticking and keeps pistons clean, while maintaining soot deposits in suspension ready to be filtered.

#### Low Pour Point - Easy Start Up

Allows for easy start-up of engines even at low temperatures.

#### Anti-corrosion & Anti-rust Properties

It has particularly good anti-corrosion properties which effectively protect the engine from corrosion from combustion moisture and acids. These additives inhibit the oxidation of internal surfaces of the engine and therefore breakdown of the oil.

#### Anti-foam – Increased Performance

Easy release of entrained air which will prevent difficulties with pumps and controls which can cause irregularities in performance and other problems arising from the compressibility of air bubbles.

### Applications

Puma Advanced S 5W-30 has been specially developed for use in diesel and petrol vehicles fitted with advanced emission systems such as DPF ( Diesel Particulate Filters) or TWC ( Three Way Catalytic Converters), requiring synthetic lubricants with ACEA C2/C3 or API service SN/CF specifications.

### Puma Advanced S 5W-30

Meets / exceeds the requirements of the following specifications:

- API SN / CF
- ACEA C2-2016
- ACEA C3-2016
- MB- 229.31

\*OEM Specs should be checked before use

## Typical Physical Characteristics

Property	Temp	Units	Test Methods	
Viscosity Grade	-	-	SAE	5W-30
Kinematic Viscosity	40°C	-	ASTM D445	64.9
Kinematic Viscosity	100°C	-	ASTM D445	10.9
Viscosity Index	-	-	ASTM D2270	161
Total Base No	-	mg KOH/g	ASTM D2896	7.7
Flash Point (COC)	°C	-	ASTM D92	225
Pour Point	°C	-	ASTM D97	-30
Density	20°C	-	ASTM 1298	0.851

*These characteristics are typical of current product methods whilst future production will conform to Puma Lubricants specifications, variations in these physical characteristics may occur.*

## Health & Safety Environment

- This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with eyes and skin, use proper impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on health and safety is available on the appropriate Safety Data Sheet (SDS) which can be obtained from [sds.pumaenergy.com.au](http://sds.pumaenergy.com.au)

## Protect the Environment

- Take used oil to an authorised collection point. Do not discharge used or new oil into drains, soil or water.

## Additional Information

- Technical advice may be obtained from your Puma Energy Representative.