



# THE INNOVATIVE AUSTRALIAN

## Product Data Sheet

### Topline EuroSyn 10W-40

Full Synthetic, Ultra High-Performance Diesel Engine Oil



PURE SYNTHETIC

**Topline EuroSyn** is a Full Synthetic is the ultimate state of the art lubricant conforming to European IV & V emission standards and meets the highest levels for Ultra High-Performance Diesel (UHPD). Incorporating Low SAPS technology and provides greater lubricant life and protects all moving parts from wear and soot damage. **Topline EuroSyn** has been formulated with unique synthetic base oil specifically to meet the requirements of European; American and Japanese design emission engines specifically those engines which incorporate Exhaust Gas Recycling (EGR), Diesel Particulate Filters (DPF) and Selective Catalytic Reduction (SCR) to provide fuel efficiency, high wear protection and long drain capability.

#### Summary of Benefits:

- The lower friction characteristics of this lubricant improve the fuel economy of vehicles providing a significant fuel economy benefit up to 4% compared to mineral oil products.
- Suitable for extended drain intervals with exceptional cleanliness
- 50% less metallic component content extends Diesel Particulate Filter (DPF) life for less frequent downtime and cleaning. It also optimises the exhaust gas circulation system life decreasing the maintenance costs.
- Low SAPS durability means that not only are engines protected from soot related wear, viscosity increase is controlled and sludge does not form and block filters. Ultimately, our oil keeps the engine cleaner, extends its life and keeps truck engines running for longer.
- Meets the latest diesel manufacturer's specifications and API diesel and petrol engine classifications. As such it is ideal as a mixed petrol/diesel engine fleet oil where the diesel engines are predominantly of the latest emission design.
- Reduced inventory. Because **Topline EuroSyn** can be used in all Euro I, II, III, IV and V trucks. Fleets that contain different makes only need to stock one engine oil.



**Product Code:** 2010

**Product Size:** 5L, 20L, 205L, 1000L

V2.1. 6.23

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VICTORIA, AUSTRALIA 3175

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### Topline EuroSyn 10W-40



#### Specifications:

- API: CK-4, CJ-4
- SAE Viscosity: 10W-40
- ACEA: E4-16, E6-16, E7-16, E9-16
- Caterpillar ECF-3
- Cummins: CES 20076, 20077, 20081
- Detroit: DDC Power Guard 93K218
- Deutz: DQC 111-10 LA, IV-10A
- JASO: DH-2-17
- Allison: TES 439
- Mack: EO-N, EO-O Premium Plus
- MAN: 3271-1, 3477, 3575
- MB: MB 228.31, 228.51
- MB: 235.28
- MTU: Type 2.1, 3.1
- Renault: RGD, RLD-2, RDL-3
- Scania: Low Ash
- Voith: Class B
- Volvo: VDS-3, VDS-4

#### Typical Characteristics:

Density at 15°C (kg/L)	0.86
Flash Point COC (°C)	228
Pour Point (°C)	-36
Kinematic Viscosity at 40°C mm <sup>2</sup> /s (cSt)	95.0
Kinematic Viscosity at 100°C mm <sup>2</sup> /s (cSt)	15.0
TBN, ASTM D2896 (mg KOH/g)	12.8
Viscosity Index	166
Sulphated Ash (%)	0.90

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

V2.1. 3.24

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### **Topline EuroSyn 10W-40**



#### **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](http://www.royallubricants.com.au) or by email: [info@royallubricants.com.au](mailto:info@royallubricants.com.au)*

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