



**THE INNOVATIVE  
AUSTRALIAN**

## **Ultra Mono Diesel Oils**

## **Product Data Sheet**

*High Performance Engine Oil for Superior Wear and Protection*

**Ultra Mono** is a range of high-performance mid-ash, mixed fleet mono grade engine oils designed for a wide range of diesel and petrol engines. Recommended for a wide range of European, Japanese and pre-1994 American makes of diesel engines.

**Ultra Mono** can be used in non-engine applications such as off-highway, agricultural and stationary plant operations, where appropriate.

### **Summary of Benefits:**

- Designed for a wide range of older engines including Cummins, Caterpillar, Mack, MAN, Mercedes Benz and Hino.
- Provides excellent protection against corrosion and wear throughout the recommended oil drain period.
- Excellent shear and oxidation stability ensure adequate oil life.

### **Specifications:**

- |   |                                |
|---|--------------------------------|
| ▪ API: CF/SJ                                  | ▪ JASO: DH-1                   |
| ▪ SAE Viscosity: 10W, 30, 40, 50              | ▪ Mack: EO-K/2                 |
| ▪ ACEA: E2 (SAE 30, 40)                       | ▪ MAN: 270                     |
| ▪ Allison C-4                                 | ▪ MB: 228.0 (SAE 30, 40)       |
| ▪ Caterpillar: ECF-2, ECF-1-a                 | ▪ MIL-L-2104 F (SAE 30, 40)    |
| ▪ Detroit Diesel: DDC Category 1 (SAE 30, 40) | ▪ MIL-L-46152 D (SAE 10W, 30)  |
| ▪ Japan: Japanese CD                          | ▪ MTU: Category 1 (SAE 30, 40) |
|   | ▪ ZF: TE-ML 03B (SAE 10W)      |

**Product Code:** 10W- 2210, 30 - 2230, 40 - 2240, 50 - 2250

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

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### Ultra Mono Diesel Oils

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#### Typical Characteristics:

|                                  | <b>10W</b> | <b>30</b> | <b>40</b> | <b>50</b> |
|----------------------------------|------------|-----------|-----------|-----------|
| Density @15°C                    | 0.897      | 0.901     | 0.902     | 0.904     |
| Flash Point °C COC               | 210        | 225       | 230       | 235       |
| Pour Point °C                    | -33        | -21       | -18       | -12       |
| Kinematic Viscosity at 40°C cSt  | 41.5       | 102       | 142       | 200       |
| Kinematic Viscosity at 100°C cSt | 6.3        | 11.5      | 14.4      | 18.5      |
| Viscosity Index                  | 98         | 99        | 99        | 102       |
| Total Base Number (mgKOH/g)      | 7.4        | 7.4       | 7.4       | 7.4       |
| Sulphated Ash (%m)               | 1.05       | 1.05      | 1.05      | 1.05      |

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

#### 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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