



GULF WESTERN OIL

THE TOUGH AUSTRALIAN

INDUSTRIAL/OFF HIGHWAY

TECHNICAL DATA SHEET

TOP GAS 680

SUMMARY OF BENEFITS

- Exceptional Oxidation and Nitration resistance offering longer oil life and protection against sludge and varnish formation
- Optimized zinc and phosphorus levels offering exceptional wear protection
- Mid ash formulation offering exceptional valve train protection including valve seat protection and versatility across a range of fuel sulfur levels and drain intervals
- Extensive field service in engines from a wide range of manufacturers offering proven protection in a wide range of operating conditions

SPECIFICATIONS

- SAE 40 • API CF • Jenbacher • Waukesha • Caterpillar

TYPICAL PROPERTIES

| CHARACTERISTICS | TEST METHOD | UNITS | RESULTS |
|---------------------------------------|-------------|---------|---------|
| Density @ 15°C | ASTM D7042 | Kg/L | 0.882 |
| Kinematic Viscosity @ 40°C @ 100°C | ASTM D7042 | cSt | 140 |
| | ASTM D7042 | cSt | 14.8 |
| Viscosity Index | ASTM D2270 | - | 104 |
| Zinc Content | ASTM D4927 | ppm | 330 |
| Calcium Content | ASTM D4927 | ppm | 2320 |
| Phosphorus Content | ASTM D4927 | ppm | 280 |
| Sulfur Content | ASTM D4927 | ppm | 2775 |
| Flash Point (COC) | ASTM D92 | °C | >200 |
| Total Acid Number | ASTM D974 | mgKOH/g | 1.4 |
| Total Base Number | ASTM D2896 | mgKOH/g | 7.0 |
| Sulphated Ash | ASTM D874 | % mass | 0.80 |

Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any 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.

AVAILABLE PACK SIZES

IBC - 300045

HEALTH, SAFETY AND ENVIRONMENT

Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.



Oronite

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