



OUTBOARD ENGINE OIL

BRAVOIL™

Technical Data Sheet

WAVE FC-W

PRODUCT DESCRIPTION:

WAVE FC-W is a high-performance four-stroke inboard/outboard engine oil. It meets the performance requirements of the NMMA (National Marine Manufacturers Association) FC-W oil standard. It maintains peak engine performance and reliability by providing outstanding wear and corrosion protection as well as minimizing deposits and reducing oil consumption, thus extending engine life.

APPLICATION:

WAVE FC-W is a high-performance four-stroke inboard/outboard engine oil that meets the requirements of the NMMA FC-W oil standard. It is recommended for use in engines manufactured by Mercury, Bombardier, Yamaha, Suzuki, Honda, Nissan, Volvo Penta, and Indmar. This oil is formulated to provide excellent wear and corrosion protection, reduce deposits, and minimize oil consumption, ensuring optimal engine performance and reliability while extending engine life.

FEATURES & BENEFITS:

- Maintains high-power output
- Superior piston cleanliness and minimizes deposit formation
- Reduces maintenance cost due to enhanced lubricity
- Trouble free operation
- Maximizes spark plug life

PERFORMANCE STANDARDS: Meets or Exceeds:

- NMMA FC-W
- API SM

TYPICAL PROPERTIES:

| PARAMETERS | TEST METHOD | UNIT | WAVE FC-W | | | |
|-------------------------------------|-------------|-------------------|-----------|--------|--------|--------|
| | | | 10W-30 | 10W-40 | 20W-40 | 25W-40 |
| Grade | | | 10W-30 | 10W-40 | 20W-40 | 25W-40 |
| Kinematic Viscosity @ 104°F / 40°C | ASTM D7042 | cSt | 76.2 | 100.2 | 125 | 145.5 |
| Kinematic Viscosity @ 212°F / 100°C | ASTM D7042 | cSt | 11.9 | 14.90 | 15.2 | 15.0 |
| Viscosity Index (min) | ASTM D2270 | - | 152 | 156 | 126 | 104 |
| SP. Gravity @ 60°F | ASTM D4052 | g/cm ³ | TBR | TBR | TBR | TBR |
| Flash Point (min) | ASTM D92 | °C | 230 | 230 | 236 | 238 |
| Pour Point (max) | ASTM D97 | °C | -36 | -36 | -24 | -24 |
| TBN | ASTM D2896 | mgKOH/g | 7.3 | 7.3 | 7.3 | 7.3 |

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website www.bravoil.ae

HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet www.bravoil.ae

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.