



## OUTBOARD GEAR OIL

# BRAVOIL™

### Technical Data Sheet

## WAVE OUTBOARD GEAR OIL

#### PRODUCT DESCRIPTION:

WAVE OUTBOARD GEAR OIL is an extreme-pressure lubricant for gearboxes, specially formulated to satisfy the highest service conditions of gears used in inboard and outboard marine applications. Its high oxidation stability minimises sludge and deposit formation facilitating longer component life and protecting equipment against rust and corrosion in a marine environment. It protects gear components in applications where there is high torque at low speeds and where extreme pressures and shock loading are encountered.

#### APPLICATION:

This oil is recommended for inboard and outboard gear cases from major global manufacturers including Evinrude, Johnson, Mariner, Suzuki, Honda, Yamaha, Tohatsu, and Nissan, requiring API GL 5 quality oils. May not be suitable for some models which call for special fluid (particularly jet units). Please check user's manual prior to selection of lubricant.

#### FEATURES & BENEFITS:

- Frictional properties : easy gear shifting.
- Anti-wear protection : long transmission life.

#### PERFORMANCE STANDARDS: Meets or Exceeds:

- API GL-5
- MIL-L-2105 D

#### TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	WAVE OUTBOARD GEAR OIL
Grade			80W-90
Density @15°C	ASTM D4052	g/ml	TBR
Kinematic viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	147
Kinematic viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	14.7
Viscosity Index (min)	ASTM D2270	-	99
Pour Point	ASTM D6892	°C	-33
Brookfield viscosity at -26 C	ASTM D2983	mPa.s	120000
Flash Point COC	ASTM D92	°C	215

#### DISCLAIMER:

The test data provided is not a final specification; rather, it serves as a guideline and may vary within acceptable production tolerances. Bravoil reserves the right to modify this test data. Any updates will supersede previous versions, so please refer to the most recent Technical Data Sheet (TDS).

#### 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](http://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](http://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.