



# LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

## SYNTHETIC MARINE 2-CYCLE OIL

Lucas Oil Full Synthetic Marine 2-Cycle Oil is a premium synthetic oil specially formulated to provide maximum protection for marine engines. Formulated using the finest synthetic base oils and a high performance, proprietary additive package, Lucas Oil Full Synthetic Marine 2-Cycle Oil combines a low-ash detergent inhibitor additive package that minimizes spark plug fouling, pre-ignition, and maintains clean combustion chambers. Lucas Oil Full Synthetic Marine 2-Cycle Oil is a smokeless formulation which will keep your engine clean. Synthetic oils provide maximum lubrication to minimize wear and carbon build-up on piston rings and ports. It can be used in oil injection systems or as a pre-mix (follow OEM instructions on dilution ratios). Lucas Oil Products recommends this oil for virtually all air and liquid cooled 2-stroke engines and under all operating conditions. It exceeds industry and manufacturer requirements including ISO EGD and JASO FD specifications.

### PART NUMBER AND SIZE:

11149 - 1 Gallon (Case of 4)

### FEATURES AND BENEFITS:

- Fully synthetic formulation.
- Proprietary low ash technology provides outstanding cleanliness and wear protection.
- Excellent rust protection in fresh and salt water.
- Formulated for outboards, personal watercraft and powersports equipment.
- Blends with all grades of gasoline.

### SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS:

Meets or exceeds ISO EGD, JASO FD, and API TC.

### MAIN APPLICATIONS:

This product is suitable for both pre-mix and oil injection systems. Lucas Oil Full Synthetic Marine 2-Cycle Oil is a premium 2-Stroke lubricant suitable for both outboards and personal watercraft. Excellent for use in other recreational or hobby vehicles needing 2-cycle oil or for commercial lawn and garden operations to achieve maximum equipment life.



# LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

## TYPICAL PHYSICAL CHARACTERISTICS:

| PROPERTIES              | ASTM  | TYPICAL    |
|-------------------------|-------|------------|
| API @ 600°F             | D4052 | 36.1       |
| Specific Gravity @ 60°F | D4052 | .844       |
| LBS/GAL @ 60 °F         | D4052 | 7.02       |
| Viscosity @ 40°C        | D445  | 35.37      |
| Flash Point, COC °F     | D92   | 225        |
| Nitrogen wt%            |       | 0.050      |
| Color                   |       | Blue/Green |
| Pour Point, °C (°F)     | -97   | -51 (-60)  |

These characteristics are typical of current production. However, slight variations in these characteristics may occur.

## LINKS AND ADDITIONAL INFORMATION:

For additional product or health and safety information, including product Safety Data Sheets, visit [LucasOil.com](https://www.LucasOil.com)