



LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

NAUTICAL HYDRAULIC FLUID ISO 15

Lucas Oil Nautical Hydraulic Oil ISO 15 is formulated from synthetic base stocks and a unique additive system to deliver superior performance to traditional marine hydraulic fluids. Many marine hydraulic steering systems adopted an aviation standard for their hydraulic fluid (MIL-PRF-5606), which since 1996 is considered inactive for new equipment design. Unlike MIL-PRF-5606 fluids, **Lucas Oil Nautical Hydraulic Oil ISO 15** does not contain conventional viscosity modifiers; therefore, it will not permanently shear-thin and can be expected to deliver long life performance in marine steering systems. Its low viscosity provides a very light feel to steering, without hesitation or noise, but with greatly reduced flammability compared to MIL-PRF-5606 fluids. **Lucas Oil Nautical Hydraulic Fluid ISO 15** is suitable for multiple marine applications, such as in emergency hydraulic starting systems (hand pump with accumulator) employed in some diesel-powered boats. Our fluid delivers maximum protection and performance in marine applications, as well as in land-based applications requiring ultra-low temperature performance.

PART NUMBER AND SIZE:

10136 – 5 Gallon Pail
10057 – 55 Gallon Drum
10241 – 330 Gallon Tote

FEATURES AND BENEFITS:

- Fully synthetic formulation.
- Resists oxidation and shear thinning for long fluid life.
- Low viscosity delivers improved response in steering.
- Much higher flash point than traditional MIL-PRF-5606 fluids for reduced flammability.
- Outstanding wear and corrosion prevention performance.

MAIN APPLICATIONS:

Marine steering systems, or wherever a premium low-viscosity hydraulic oil is required.



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TYPICAL PHYSICAL CHARACTERISTICS:

PROPERTIES	ASTM	TYPICAL
API Gravity	D4052	38.6
Specific Gravity @ 60°F	D4052	0.831
Density @ 60°F, Lbs/US Gal	D4052	6.92
Viscosity @ 40°C cSt	D445	15.4
Viscosity @ 100°C cSt	D445	3.84
Viscosity Index	D2270	148
Color	Visual	Light Blue
Flash Point, Closed Cup, °F	D93	400
Pour Point, °C	D97	-45

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)