



LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

MULTI-VISCOSITY AW HYDRAULIC OIL ISO 32

Lucas Oil Multi-Viscosity AW Hydraulic Oil ISO 32 is a premium multi-viscosity hydraulic fluid formulated with the highest quality synthetic base stocks and advanced additives to provide anti-wear protection and maximum system performance for up to 12,000 hrs of fluid life. Our proprietary polymer technology delivers a high viscosity index and low pour point which enable this fluid to be used in wide range of operating temperatures. Lucas Oil Multi-Viscosity AW Hydraulic Oil ISO 32 is formulated with dispersant technology to prevent the accumulation of lacquer and gums on hydraulic system components. Our friction modified formulation delivers energy efficiency and reduces the heat load transferred to the fluid.

Lucas Oil Multi-Viscosity AW Hydraulic Oil ISO 32 is recommended for use in mobile construction equipment, vane, gear, and piston-type hydraulic pumps. It is suitable for use in all industrial hydraulic systems and can also be used in plain and anti-friction bearings, airline lubricators, and reciprocating compressors. The high viscosity index means that it will not excessively thin at high temperatures and can often be used where either ISO VG 32 or ISO VG 46 is recommended.

PART NUMBER AND SIZE:

10569 – 5 Gallon Pail
10577 – 55 Gallon Drum
11129 – 330 Gallon Tote

FEATURES AND BENEFITS:

- Full synthetic formula.
- Multi-grade viscosity for maximum performance over a broad temperature range.
- Formulated for excellent wear protection and energy efficiency.
- Up to 12,000-hour fluid life.
- Filtered to 16/14/11 ISO Cleanliness Rating

SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS:

Satisfies the performance requirements of: US Steel 127, 136; Denison HF-0, HF-2; DIN 51524 Part II; Vickers I-286S, M-2950-S; Cincinnati Machine (Fives) P68, P69 and P70

MAIN APPLICATIONS:

Recommended for use in mobile construction equipment, vane, gear, and piston type hydraulic pumps.

Can often fulfill the requirements of either ISO 32 or ISO 46 AW hydraulic fluid requirements due to the high viscosity index



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TYPICAL PHYSICAL CHARACTERISTICS:

PROPERTIES	ASTM	TYPICAL
API Gravity	D4052	39.19
Specific Gravity @ 60°F	D4052	0.829
Density @ 60°F, lbs/US Gal	D4052	6.91
Viscosity @ 40°C, cSt	D445	32
Viscosity @ 100°C, cSt	D445	7.8
Viscosity Index	D2270	236
Color	D1500	1.0
Flash Point, Open Cup, °F	D92	428
Pour Point, °C	D97	-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)