



LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

R & O HYDRAULIC OIL ISO 32, 46, 68 GRADES

Lucas Oil R&O Hydraulic Oils are specially formulated for general industrial applications requiring high-performance rust and oxidation protection. Our formulations are zinc-free but deliver exceptional wear protection and extended service interval capabilities, exceeding 8,000 hours in industry standard testing. Our high thermal and oxidative stability mean reduced tendency for deposit, sludge, and varnish formation. Our formulation has excellent air and foam release properties and provides outstanding corrosion protection to all industrial equipment. They offer excellent demulsibility, which allows product to shed water contamination quickly for easy system purging.

Lucas Oil R&O Hydraulic Oils are designed for use in air compressors and hydraulic systems operating under 1,000 psi. Lucas Oil R&O Hydraulic Oils also have applications in plain and antifriction bearings, vacuum pumps, electric motors, as well as centrifugal, turbine, and deep well pumps. It offers outstanding all-around performance as a general-purpose lubricant.

PART NUMBER AND SIZE:

ISO 32 10447 – 5 Gallon Pail, 10449 – 55
Gallon Drum, 11130 – 330 Gallon Tote

ISO 46 10450 – 5 Gallon Pail, 10452, - 55
Gallon Drum, 11131 – 330 Gallon Tote

ISO 68 10453 – 5 Gallon Pail, 10455 – 55
Gallon Drum, 11132 – 330 Gallon Tote

FEATURES AND BENEFITS:

- Formulated for long oil life, exceeds 8000 hours in industry standard testing.
- Outstanding corrosion protection and water demulsibility to protect equipment against damage from moisture.
- Low foaming and rapid air release tendencies for trouble-free operation.
- Resists oxidation, varnish, and deposit formation.
- Inhibits corrosion of ferrous and yellow metals.
- Multiple viscosity grades for a broad range of applications.

SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS:

Satisfies the requirements of: US Steel 126; DIN 51524 Part I; Parker Hannifin France HF-1; Cincinnati Machine (Fives) P38, P54, P55, P57; MIL-PRF-17672; AFNOR E48-600; British Standard BS 489.

MAIN APPLICATIONS:

Lucas R&O Hydraulic Oils are designed for use in air compressors operating under 1,000 PSI and general industrial applications requiring rust and oxidation protection. They offer outstanding performance in plain and antifriction bearings, vacuum pumps, electric motors, as well as centrifugal, turbine, and deep well pumps, and are outstanding general-purpose lubricants.



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TYPICAL PHYSICAL CHARACTERISTICS:

PROPERTIES	ASTM	32	46	68
API Gravity	D4052	32.8	31.9	34.0
Specific Gravity @ 60°F	D4052	.861	.866	.855
Density @ 60°F, Lbs/US Gal	D4052	7.17	7.21	7.12
Viscosity @ 40°C, cSt	D445	32	46	68
Color	D1500	0.5	0.5	0.5
Flash Point, Open Cup, °F	D92	425	425	440
Pour Point, °C (°F)	D97	-36 (-33)	-33 (-27)	-30 (-22)

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)