

# Signature® R & O 46

## Product Data Sheet

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Signature® R&O 46 Hydraulic Oil is formulated with rust and oxidation inhibitors for use in hydraulic systems calling for non-AW fluids, turbines, and as a general bearing lubricant. This oil is made from selected high viscosity index paraffinic base stocks and premium quality additives to give outstanding performance.

The base oil's high viscosity index imparts superior temperature-viscosity characteristics. Long service life in closed circulation systems is assured by low carbon-forming tendency and excellent resistance to oxidation, rust and foaming. The versatility of Signature® R&O 46 Hydraulic oil makes it suitable for a wide variety of applications in industrial fields. It give excellent service in a range of chain and enclosed gear drives, turbines and are recommended in hydraulic systems where a high quality non-AW hydraulic fluid is specified, including heat transfer applications.

Signature® R&O 46 Hydraulic oil is also suitable for use in the circulating systems of a large variety of industrial machinery, and for the lubrication of electric motors and turbo-generators where R&O hydraulic oil is recommended. This lubricant does not contain anti-wear additives, and should not be used where an anti-wear hydraulic fluid is required. It is zinc-free, allowing it to be used in systems containing silver bearings, or otherwise requiring zinc-free oil.

Signature® R&O Hydraulic and Turbine Oil meet the following performance specifications:

- Cincinnati Milacron P-38, P-55, and P-57
- General Electric GEK-32568
- Solar Turbines ES9-224
- DIN 51524, Part 1
- Denison HF-1
- Hägglunds-Denison HF-0

### Typical Properties:

Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	6.8
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	44.7
Viscosity Index (ASTM D-2270)	110
Turbine Oxidation (ASTM D-943)	5000
RPVOT, min (ASTM D-2272)	700