

# RED ONYX HYDRAULIC AWS



RED Onyx Hydraulic AWS is specially blended to provide the best anti-wear and thermal stability performance for hydraulic oils. The additive and base oil used ensures RED Onyx Hydraulic AWS has superior hydrolytic and oxidative stability while exhibiting minimal tendency to produce sludge and deposit. It provides corrosion protection to ferrous and yellow metal components. The oil is designed to resist breakdown under heat or mechanical stress and helps prevent damaging deposit formation.



## Features & Benefits

- Special anti-wear additives that minimize wear to prolong equipment life
- Effective rust and oxidation inhibitor systems to prevent abrasive particles, varnishes and sludge from damaging equipment surface and seals
- Excellent hydrolytic stability and water separation promotes superior filterability in the presence of water contamination
- Good anti-foam and air release properties to help ensure smooth operation and system efficiency
- High oxidation stability to prevent oil thickening and deposit formation in service

## Application

- Vane, piston or gear type pumps especially where pressures exceed 1,000 PSI
- Lightly loaded reciprocating compressors
- Hydraulic equipment reduction gears where EP is not required
- Pain and antifriction bearings
- Circulating oil systems

## Typical Properties

Characteristics	Method	Values			
<b>ISO</b>		32	46	68	100
<b>API Gravity</b>	ASTM D1298	32.6	31.8	31.6	30.1
<b>Density @ 15°C</b>	ASTM D4052	880	880	880	890
<b>Kinematic Viscosity @ 40°C</b>	ASTM D445	30.4	43.7	64.6	95
<b>Kinematic Viscosity @ 100°C</b>	ASTM D445	5.2	6.5	8.4	11
<b>Viscosity Index</b>	ASTM D2270	101	102	100	103
<b>Flash Point</b>	ASTM D92	220	226	235	250
<b>Pour Point</b>	ASTM D97	-33	-30	-30	-15

## Performance Standards

- DIN 51502
- DIN 51524 Part 2
- HLP ISO 6743/4
- Dennison HF-0
- US Steel 126 & 127
- Cincinnati Lamb P 69-70
- Eaton I-286-S
- Eaton M-2950-S
- ANSI/AGMA 9005-E02
- ASTM D6158 HM
- ISO 11158 L-HM

## Health, Safety & Environment

RED Onyx Hydraulic AWS does not present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained. Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.