

Continental Petroleums Ltd.

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CONTOL Hydraulic AW Series

Hydraulic Oil Product Description

Contol Hydraulic AW Series are premium high performance oils intended for industrial and mobile service where anti-wear lubricants are required. The Mobolene Hydraulic AW Series oils are designed to satisfy the performance requirements for a wide range of hydraulic components in systems subjected to high-pressure, high-temperature operating environments. Their high level of resistance to oxidation and good thermal stability characteristics help reduce deposit formation and help prevent sluggish system operation. They provide good protection against rust and corrosion in high humidity operations or where low levels of moisture are unavoidable. They separate water readily and have very good air release properties. These products meet the performance requirements of a wide range of hydraulic system and component OEM's and are compatible with the pump and component metallurgy used by various manufacturers.

The Contol Hydraulic AW Series oils are formulated with high quality base stocks and a carefully selected additive system that result in finished products that provide many desirable features to improve and prolong equipment life. They are designed to work with systems operating under moderate to severe conditions where a high level of anti-wear protection is needed, yet they are suitable for use in many systems where non-anti-wear hydraulic oils are generally recommended.

Features & Benefits

The Contol Hydraulic AW Series oils provide outstanding performance in a range of equipment operating under moderate to severe conditions. Their excellent oxidation resistance allows extension of oil and filter change intervals while assuring clean systems. Their high level of anti-wear protection and excellent film strength characteristics result in exceptional

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equipment performance that not only results in fewer breakdowns but helps improve production capacity. Their controlled demulsibility permits the oils to work well in systems contaminated with small amounts of water yet readily separate large amounts of water.

Features Advantages and Potential Benefits

- Outstanding Anti-wear Reduces wear
- Protects systems using various metallurgy
- Good liquid and vapour phase rust protection Reduces rust on oil-wetted and non-oil-wetted surfaces
- Excellent Oxidation Stability Provides long oil and equipment life
- Extends filter life
- Very Good Corrosion Protection Prevents internal hydraulic system corrosion
- Reduces negative effects of moisture in systems
- Provides corrosion protection of multi-metallurgy component designs
- Meets a Wide Range of equipment requirements One product can replace several
- Air Separation Characteristics Reduces foaming and it's negative effects
- Water Separation Protects systems where small quantities of moisture are present
- Resists formation of emulsions
- Readily separates larger quantities of water

Applications

- ☒ Systems employing gear, vane, radial and axial piston pumps where anti-wear hydraulic oils are recommended.
- ☒ Hydraulic applications where contamination or leakage are unavoidable.
- ☒ Where small amounts of water are unavoidable and this water could damage components.
- ☒ Systems containing gears and bearings where mild anti-wear characteristics are required.
- ☒ Systems requiring a high degree of load-carrying capability and anti-wear protection.
- ☒ Applications where thin oil-film corrosion protection is an asset such as systems where small amounts of water exist.
- ☒ Machines containing a wide range of components using various alloys in their designs.

Specifications

Contol Hydraulic Oil AW Series is recommended for use in applications requiring:

Dension HF-0, AFNOR NF-E-48-690/1
 Vickers I-286-S
 Vickers M-2950-S
 DIN 51524 PART 2
 ISO 1158 TYPE HM

Typical Properties

SAE Grade	AW32	AW46	AW68
Viscosity, ASTM D445			
cSt @40 Deg.C	32	46	68
cSt @100 Deg.C	5.4	6.7	8.5
Viscosity Index, ASTM D 2270	95	95	95
Copper Strip Corrosion, ASTM D-130	1A	1A	1A
Rust Characterstics, ASTM D 665B	PASS	PASS	PASS
TOST Life to 2NN, ASTM D 943, hrs (min)	1000	1500	1500
Pour Point, Deg.C, ASTM D 97	-18	-18	-12
Flash Point, Deg.C, ASTM D 92	204	212	218
Density @15Deg.C, ASTM D 4052	0.872	0.876	0.882