



**COOLANT  
CONTROL** INC.

*The right chemistry...*

*...the right solution*

## Product Bulletin

# Atlantis Series

## Zinc-free Anti-wear Hydraulic Oils

### Description

The **Atlantis series** of anti-wear hydraulic oils are premium quality fluids which are compounded with high VI paraffinic basestocks and a state of the art non-zinc containing additive. These products are formulated to protect moving parts in hydraulic systems from wearing. Hydraulic systems typically contain some type of pump (vane, piston or gear) which maintains the oil pressure in the system. The moving parts in these pumps are susceptible to wear problems.

The **Atlantis series** oils are thermally and oxidatively stable, while providing excellent anti-wear and rust protection. They also provide good demulsibility, filterability, and are hydrolytically stable.

### Performance Benefits

- **Atlantis series** surpasses 2500 hours on the ASTM D-943 test (oxidation characteristics of inhibited steam turbine oil test)
- **Atlantis series** perform excellent on the ASTM D-665 test (rust preventing characteristics of steam turbine oil test)
- The **Atlantis series** products meet or exceed the following test requirements:

**Cincinnati Milacron P-68 NZ, P-69 NZ, P-70 NZ**  
**Vickers I-286-S, M-2950-S**  
**Denison HF-1, HF-2, HF-0**  
**Ford M-M-6C32**  
**DIN 51524, Part 2**  
**B.F. Goodrich 0152**

### Compatibility with Work Materials and Change Out

**Atlantis Series** oils are compatible with all oil resistant seals and all metal and oil resistant surfaces. Check with your Vulcan Oil sales person for questions regarding compatibility.

### Recommended Applications

**Atlantis Series zinc-free** anti-wear hydraulic oils are designed to be used straight in any application requiring the use of an anti-wear hydraulic oil. Select the viscosity recommended by the equipment manufacturer.

## Typical Characteristics

<b>Atlantis Series</b>	<b>32</b>	<b>46</b>	<b>68</b>	<b>100</b>	<b>150</b>	<b>220</b>	<b>320</b>	<b>460</b>
Viscosity @100°F, SUS	166	238	353	522	790	1165	1707	2466
ISO VG	32	46	68	100	150	220	320	460
Viscosity Index	101	100	100	97	97	97	97	97
Flash Point °F	405	405	430	455	460	475	485	505
Pour Point °F	+10	+15	+15	+15	+15	+15	+15	+15
Density, lbs/gal	7.26	7.30	7.34	7.38	7.41	7.44	7.46	7.48