### OVERVIEW
- Superior anti-wear hydraulic and circulating fluids designed for service in high-pressure, high-output industrial hydraulic circuits and specially formulated with thermally stable additives.
- Outstanding chemical stability, resistance to sludge formation, and anti-wear protection.

### FEATURES & BENEFITS
- Thermally stable zinc-based additives protect against heat-related sludge formation in sensitive electro-hydraulic servo valves. Ideal for high-output equipment where sustained heat is prevalent, such as CNC machine tools.
- Inhibited against rust in both fresh and sea water, and pass Procedures A and B of the ASTM D665 Rust Test.
- Resist foaming and will not foster abnormal air entrainment in properly designed hydraulic circuits.
- Readily separate water, allowing water contamination to be drained from the sump.

### APPLICATIONS
- Recommended for service in vane, piston, and gear pumps when used in accordance with equipment manufacturers’ recommendations.
- Designed to provide excellent service life to pumps and circuit components such as motors and servos.
- Recommended for use as a gear and bearing lubricant in industrial applications where rust- and oxidation-inhibited oils are required.
- Approved against the stringent performance requirements of:
  - Eaton Brochure 03-401-2010 (formerly Vickers 2950-S, I-286-S)
  - Fives Cincinnati P-68, P-69, and P-70
  - Parker Denison HF-O
Typical Properties for CITGO A/W Hydraulic Oils:

<table>
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<th>Grade</th>
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<th>46</th>
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<tr>
<td>Material Code</td>
<td>633491001</td>
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<td>Gravity, ASTM D4052, °API</td>
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<td>Density, lb/gal</td>
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<td>cSt at 40°C</td>
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<td>cSt at 100°C</td>
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<td>Rust Test, ASTM D665 A, B</td>
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<td>Eaton Brochure 03-401-2010</td>
<td>Yes</td>
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<td>Meets Parker Denison HF-O Requirement</td>
<td>Yes</td>
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<td>Meets Fives Cincinnati Requirement</td>
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<td>P-70</td>
<td>P-69</td>
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<td>AFNOR NF E 48-603</td>
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<td>ISO VG No.</td>
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