

## CITGO ELO 32

Date 03/18



- DESCRIPTION:** CITGO ELO 32 is a superior antiwear hydraulic and circulating fluid specially formulated with high quality base stocks and improved thermally stable additives. This oil offers outstanding resistance to sludge formation, is chemically stable and exhibits excellent antiwear protection.
- QUALITIES:** CITGO ELO 32 offers excellent service in high-pressure, high-output industrial hydraulic circuits.
- Utilizes thermally stable zinc-type additives. This helps prevent the formation of heat-related sludging in sensitive electro-hydraulic servos associated with conventional zinc-type oils. This oil is wholly suitable for N/C machine tools and other high-output equipment where sustained heat is prevalent.
  - Exhibits superior hydrolytic stability and will not contribute to the formation of metal-etching acids or corrosive reactants.
  - Inhibited against rusting in both fresh and sea water and passes both Procedures A and B of the ASTM D665 Rust Test.
  - Offers antiwear protection to pumps, motors, valves and other hydraulic circuit components. It is approved against stringent performance requirements including Fives Cincinnati P-68, Parker Denison HF-O, and Eaton Brochure 03-401-2010 (formerly M-2950-S and I-286-S).
  - Resists foaming and will not foster abnormal air entrainment in properly designed hydraulic circuits. This oil also readily separates water permitting contaminating water to be drained from the sump.
- APPLICATIONS:** CITGO ELO 32 is recommended for service in vane, piston and gear pumps when used in accordance with the manufacturers' recommendations. This oil is designed to provide maximum service life to these pumps as well as to other circuit components such as motors and servos.

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Date 03/18 - (Continued)

**TYPICAL PROPERTIES:**

**CITGO ELO 32**

<b>GRADE</b>	<b>32</b>
Material Code	632610001
Gravity, ASTM D4052, °API	32.6
Density, lb/gal	7.18
Flash Point, ASTM D92, COC, °F (°C)	417 (214)
Viscosity, cSt at 40°C	32.3
cSt at 100°C	5.59
Viscosity Index	111
Pour Point, ASTM D97, °F (°C)	-30 (-34)
Color, ASTM D1500	0.5
Water Separability, ASTM D1401 <sup>(1)</sup>	40-40-0
Oxidation Test, ASTM D943, Hrs.	>6,000
Rust Test, ASTM D665 A, B	Pass
Copper Corrosion, D130, 3 hrs @ 100C	1A (Pass)
Foam Test, D892, Sequence 1, II, III	Pass
Meets Eaton Brochure 03-401-2010 Requirements (formerly Vickers M-2950-S and I-286-S)	Yes
Meets Parker Denison HF-O (Revision J) Requirement	Yes
Meets Fives Cincinnati Requirement	P-68
AFNOR NF E 48-603	HM32
ISO VG No.	32

**Notes:** (1) 30 minutes max. separation time to ≤3ml emulsion.

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