

## CITGO HYDURANCE™ AW CP FLUID



Date 03/18

**DESCRIPTION:** CITGO HyDurance AW CP Fluid is a premium multigrade anti-wear hydraulic fluid designed for applications where dielectric (insulating) properties are required. CITGO HyDurance AW CP Fluid offers wide temperature range service in mobile hydraulic equipment, particularly in low temperature conditions where excellent cold start up hydraulic system performance is required.

- QUALITIES:**
- High dielectric strength
  - Superior low-temperature flow and pumpability
  - Fluid film strength for warmer climates
  - Excellent antiwear properties
  - Foam resistant
  - Rust and corrosion protection
  - Long service life
  - Water separation characteristics
  - Excellent viscosity shear stability

**APPLICATIONS:** CITGO HyDurance™ AW CP Fluid is recommended for most outdoor and/or mobile hydraulic equipment requiring a fluid with high dielectric strength properties such as “cherry picker” lift applications. It provides excellent service in equipment used under a wide range of operating conditions and where hydraulic system response is critical such as:

- Tree trimming, fruit picking mobile equipment
- Firefighting lift trucks, buckets, etc.
- Aerial lift buckets
- Mobile hydraulic systems
- Garbage collection equipment
- Public utility vehicles
- Construction equipment in colder services

CITGO HyDurance™ AW CP Fluid meets or exceeds the following:

- Dielectric Strength, ASTM D 877, 35 KV minimum
- ASTM D 6158 HM (2005)
- Parker Denison HF-0 (Revision J)
- DIN 51524-2 (2006)
- Eaton Brochure 03-401-2010
- General Motors LS-2 (1997)
- JCMAS HK P041 (2004)
- ISO 11158 HM (FDIS 2008)
- SEB 181 222 (2007)



- DIELECTRIC STRENGTH RATED
- WIDE TEMPERATURE PERFORMANCE

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**TYPICAL PROPERTIES:**

**CITGO HYDURANCE™ AW CP FLUID**

Material Code	633623001
Gravity, ASTM D4052, °API	30.8
Density, lb/gal	7.26
Flash Point, COC, ASTM D92, °F (°C)	367 (186)
Color	Blue-green
Viscosity, ASTM D2983, cP at -40°C	20,450
cP at -23°C	1,590
cP at -18°C	860
ASTM D455, cSt at 40°C	25.6
cSt at 100°C	5.4
Viscosity Index, ASTM D2270	155
Pour Point, ASTM D97, °F (°C)	-54 (-48)
Aniline Pt., ASTM D611, °F	204
Total Acid Number, ASTM D664	0.6
Oxidation Test ASTM D943, hrs	2775
Rust Test ASTM D665, A and B	Pass
Water Separability, ASTM D1401, at 130°F (54°C)	40-40-0 (10)
Dielectric Strength, ASTM D877, KV, minimum	35

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