

CITGO HYDURANCE™ AW CP FLUID

Date 04/13



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” applications. It provides excellent service in equipment used under a wide range of operating conditions and where hydraulic system response is critical such as:

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

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:

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Material Code	633623001
Gravity, ASTM D 4052, °API	30.8
Density, lb/gal	7.26
Flash Point, COC, ASTM D 92, °F (°C)	367 (186)
Color	Blue-green
Viscosity, ASTM D 2983, cP at -40°C	20,450
cP at -23°C	1,590
cP at -18°C	860
ASTM D 455, cSt at 40°C	25.6
cSt at 100°C	5.4
Viscosity Index, ASTM D 2270	155
Pour Point, ASTM D 97, °F (°C)	-54 (-48)
Aniline Pt., ASTM D 611, °F	204
Total Acid Number, ASTM D 664	0.6
Turbine Oil Oxidation, ASTM D 943, hrs	2775
Turbine Oil Rust Test, ASTM D 665, A and B	Pass
Water Separability, ASTM D 1401, at 130°F (54°C)	40-40-0 (10)
Dielectric Strength, ASTM D 877, KV, minimum	35