

C I T G O C P H Y D R A U L I C F L U I D

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Date 12/04

**DESCRIPTION:** CITGO CP Hydraulic Fluid is a special, multigrade antiwear hydraulic fluid. It is designed specifically for use in hydraulic equipment (aerial lift buckets, mobile hydraulic systems, etc.) operating over a wide range of temperatures and where an oil with dielectric (insulating) properties is required. Fortified with a pour point depressant and a shear-stable viscosity index improver, this versatile fluid is particularly suitable for use in mobile equipment operating in outdoor service under cold start-up or operating conditions. This type of service demands a fluid with sufficiently low viscosity to pump adequately with low fluid frictional drag, one cause for premature pump wear.

In addition to its excellent low-temperature flow characteristics, CITGO CP Hydraulic Fluid has the ability to maintain sufficient body and film strength to lubricate at the warmer operating temperatures found in many operations.

CITGO CP Hydraulic Fluid also contains a balanced additive combination to provide rust and corrosion protection to internal pump and system components, protection against oil oxidation and foaming. Its special antiwear component extends pump life particularly at the higher working pressures encountered in today's heavy-duty hydraulic systems.

- QUALITIES:**
- Superior low-temperature flow characteristics.
  - Excellent antiwear properties – meets general performance requirements of major pump manufacturers in piston, vane and gear pumps.
  - Foam resistant.
  - Protection against rust and corrosion of pump and system components.
  - Oxidation inhibited for long fluid life.
  - Good water separation characteristics.
  - Excellent viscosity shear stability.
  - High dielectric strength.

- APPLICATIONS:** CITGO CP Hydraulic Fluid is applicable for most outdoor and/or mobile hydraulic equipment functioning under a wide range of operating conditions where equipment response is most critical and where the use of a “cherry picker” type oil is required.
- Mobile hydraulic systems.
  - Aerial lift buckets.
  - Garbage collecting equipment.
  - Public utility vehicles.
  - Tree trimming, fruit picking mobile equipment.
  - Construction equipment in colder services.
  - Fire fighting lift trucks, buckets, etc.

### TYPICAL PROPERTIES:

## CITGO CP HYDRAULIC FLUID

Material Code	633933001
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
ASTM D 2161, SUS at 100°F	130
SUS at 210°F	44.2
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, mls	40-40-0 (10)
Dielectric Strength, ASTM D 877, KV	35