PRODUCT INFORMATION SHEET

CITGO® Hydraulic/Press Oil 68

CITGO LUBRICANTS

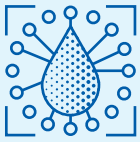
OVERVIEW

- Formulated with highly refined, premium base oils and an ashless anti-wear additive system to provide outstanding protection for demanding printing press hydraulic systems. Use of non-zinc type anti-wear additives is an important consideration in various press applications.

FEATURES & BENEFITS

- Contains no heavy metals.
- Offers thermal stability to virtually eliminate heat-related sludge deposits.
- Provides protection against rust and corrosion.
- Separates readily from water.
- Contains inhibitors to minimize foaming and air entrainment.
- Provides anti-wear protection to pumps, motors, and other hydraulic circuit components.
- Extends fluid service life with a balanced additive system to handle severe operating conditions.
- Contains an anti-leak agent to aid in maintaining the condition and life of elastomer materials.
- Offers great compatibility with CITGO Press Oil 68.

APPLICATIONS



- Recommended for printing press service in vane, piston, and gear pumps when used in accordance with the manufacturers' recommendations.
- Within the viscosity range covered in Goss SBM 5078 for gear and bearing lubricants; use ensures unintended mixing will not result in viscosity degradation of the lubricant covered by Goss SMB 5078.
- Refer to equipment owner's manual for proper lubricant recommendation.

CITGO Petroleum Corporation
Houston, Texas

Customer Service Line
1-800-331-4068
LubesCS@CITGO.com

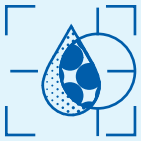
Product Answer Line
1-800-248-4684
lubeshelp@CITGO.com

Online at
www.CITGOLubes.com

Manufactured in USA

C 10082

PROPERTIES



Typical Properties for Hydraulic/Press Oil 68:

Grade	**68**
Material Code	**661290001**
Gravity, ASTM D4052, °API	29.3
Density, lb/gal	7.33
Flash Point, COC, ASTM D92, °F (°C)	468 (242)
Viscosity ASTM D445	
cSt at 40°C	67.6
cSt at 100°C	8.5
Viscosity ASTM D2161	
SUS at 100°F	351
SUS at 210°F	55
Viscosity Index, ASTM D2270	95
Pour Point, ASTM D97, °F (°C)	-11 (-24)
Color, ASTM D1500	L1.5
Total Acid No., ASTM D664, mg KOH/g	0.10
Copper Corrosion, 3 hr at 100°C, ASTM D130	1A
Rust Test, ASTM D665 A, B	Pass
Four Ball Wear, ASTM D2266, at 40 kg, mm	0.50
Foam Test, Seq. I, ml	0-0
Seq. II, ml	20-0
Seq. III, ml	0-0
Water Separability, at 130°F, ASTM D1401 (mL-mL-mL)	40-40-0