



## CITGO AUTOKUT® EXTRUSION OIL

Date 10/12

**DESCRIPTION:** CITGO Autokut Extrusion Oil is a heavy duty fluid designed for a variety of metal forming and other metalworking operations.

- FEATURES:**
- Contains advanced lubrication and anti-weld components
  - Compatible with all metals
  - Residues are easily cleaned
  - High viscosity
  - Free of chlorinated components

- BENEFITS:**
- Benefits environmental needs and reduces disposal costs
  - Improved productivity and lower costs of operation, improving surface finish and extending tool life
  - Non staining on ferrous and non-ferrous metals
  - Conventional cleaners can be used to remove unwanted residues
  - Oil remains in the areas intended during the operation process

**APPLICATIONS:** CITGO AutoKut Extrusion Oil is formulated for a variety of drawing, stamping, forming and extrusion applications over a wide range of machining applications and metallurgies.

**Material Compatibility**

	Recommended	Highly Recommended
P - Steels		
M - Stainless Steel		
K - Cast Iron		
N - Non-ferrous		

**TYPICAL PROPERTIES - CITGO AUTOKUT® EXTRUSION OIL**

Material Code	639451001
Gravity, ASTM D 4052, °API	23.9
Gravity, Specific, ASTM D 1298, 60/60 °F	0.910
Density, lb/gal	7.6
Flash Point, COC, ASTM D92, °F (°C)	432 (222)
Viscosity, ASTM D 445, cSt at 40°C	117.7
cSt at 100°C	15.3
ASTM D 2161, SUS at 100°F	546
SUS at 210°F	79
Color, ASTM D 1500	7.0
Pour Point, ASTM D 97, °F (°C)	15.8 (-9)
Copper Corrosion, ASTM D 130, 3 hrs at 212°F	1 A/B
Active Sulfur	No
Phosphorus	No
Lubricity Additive	Yes