



CITGO® Cylinder Oils

OVERVIEW



- Compounded lubricants designed for use in steam cylinders, gas compressor cylinders, and worm gear drives.

FEATURES & BENEFITS



- Formulated with high viscosity index base stocks and compounded for improved metal adhesion and lubricity.
- Provide excellent lubrication even when in contact with steam at low-to-medium pressures.

APPLICATIONS



- Recommended for the lubrication of steam cylinders over a wide range of operating conditions and steam quality.
- Recommended as lubricants for natural gas compressors having separate cylinder lubrication, especially where high-moisture natural gas is processed.
- Can be utilized in certain types of worm gear drives.

PROPERTIES



Typical Properties for CITGO Cylinder Oils:

Grade	150-5	220-5	400-5	680-7
Material Code	635013001	635015001	635017001	635023001
Gravity, ASTM D4052, °API	28.8	28.0	27.1	22.1
Density, lb/gal at 60°F	7.38	7.41	7.43	7.67
Flash Point, COC, ASTM D92, °F (°C)	493 (256)	525 (274)	585 (307)	555 (290)
Viscosity ASTM D445				
cSt at 40°C	149	216	390	652
cSt at 100°C	15	19	28	40
Viscosity ASTM D2161				
SUS at 100°F	750	—	2080	3392
SUS at 210°F	75	95	137	193
Viscosity Index, ASTM D2270	103	100	98	102
Pour Point, ASTM D97, °F (°C)	0 (-18)	16 (-9)	5 (-15)	5 (-15)
Color, ASTM D1500	L3	L3	7	D8
Fatty Oil, %	5	5	5	7
AGMA Grade	4	5	7 Comp.	8 Comp.
ISO VG No.	150	220	—	680

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