CITGO CYLINDER OILS

Date 04/18

DESCRIPTION: CITGO Cylinder Oils are compounded lubricants designed for use in steam cylinders, gas compressor cylinders, and worm gear drives.

QUALITIES: CITGO Cylinder Oils are formulated with high viscosity index base stocks, and compounded for improved metal adhesion and lubricity.

Because of their special formulation, these oils provide excellent lubrication even when in contact with steam at low-to-medium pressures.

APPLICATIONS: CITGO Cylinder Oils are recommended for the lubrication of steam cylinders over a wide range of operating conditions and steam quality.

All grades are recommended as lubricants for natural gas compressors having separate cylinder lubrication, especially recommended where high moisture natual gas is processed.

Because of their lubricity, all grades may be utilized in certain types of worm gear drives.

TYPICAL PROPERTIES:

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
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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