

CITGO® SlideRite® Oils



OVERVIEW



- Industrial oils designed to prevent stick-slip problems on heavily loaded slideways of machine tools.

FEATURES & BENEFITS



- Contain special non-corrosive additives to protect against the occurrence of stick-slip.
- Impart good metal-wetting, adhesiveness, and extreme pressure (EP) characteristics to eliminate chatter and scoring in the operation of machine tool ways.
- Designed to minimize formation of emulsions that make it difficult to maintain clean and effective coolants.
- Especially recommended for use in applications where synthetic coolants or soluble oil emulsions are used.
- Light-colored to provide good visibility of slideways.
- Very mild odor.
- The ISO VG 32, 68, and 220 grades have been formulated to meet requirements of the Fives Group (formerly Cincinnati Machine) specifications covering machine tool way lubricants.

Grade

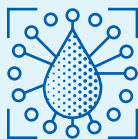
CITGO SlideRite® 32
CITGO SlideRite® 68
CITGO SlideRite® 220

Fives Cincinnati Specification

P-53*
P-47
P-50

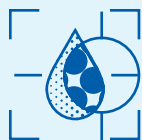
***NOTE:** Fives Group Specification P-53 is a combination hydraulic and way oil specification.

APPLICATIONS



- CITGO SlideRite 32 is suitable for use in central systems for lubricating hydraulic pump units and slideways, and can be used where a premium grade light viscosity oil is needed.
- CITGO SlideRite 68 is suitable for use as a slideway lubricant where a heavy-medium viscosity oil is specified.
- CITGO SlideRite 220, CITGO SlideRite 320, and CITGO SlideRite 460 are suitable for use as slideway lubricants where a heavy viscosity oil is specified.

PROPERTIES



Typical Properties for CITGO SlideRite Oils:

Grade	32	68	220	320	460
Material Code	637203001	637210001	637220001	637320001	637460001
Gravity, ASTM D4052, °API	31.5	29.5	29.8	27.37	24.48
Density, lb/gal at 60°F	7.228	7.32	7.305	7.42	7.56
Flash Point, COC, ASTM D92, °F (°C)	392 (200)	428 (220)	455 (235)	482(250)	455 (235)
Viscosity ASTM D445					
cSt at 40°C	32.9	69.9	220	321	460
cSt at 100°C	5.9	9.1	19.6	24.5	39
Viscosity ASTM D2161					
SUS at 100°F	169	357	1163	1487	2341
SUS at 210°F	46	57	99.2	118.0	146
Viscosity Index, ASTM D2270	123	105	100	97	124
Pour Point, ASTM D97, °F (°C)	-27 (-33)	-17 (-27)	10 (-12)	10 (-12)	10 (-12)
Color, ASTM D1500	L2.5	L3.5	L4.5	L4.5	L4.5
Texture	Tacky	Tacky	Tacky	Tacky	Tacky
ISO VG No.	32	68	220	320	460
Fives Group Specification	P-53	P-47	P-50	—	—

Note: (1) Ratio of the coefficients of kinetic friction to static friction.

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