

CITGO SLIDERITE® OILS

Date 08/12



DESCRIPTION: CITGO SlideRite Oils are designed for use on slideways of machine tools.

QUALITIES: CITGO SlideRite Oils contain special non-corrosive additives which provide the necessary qualities to protect against the occurrence of stick-slip. They impart good metal-wetting, adhesiveness and EP characteristics which effectively eliminate chatter and scoring in the operation of machine tool way. Some slideway lubricants tend to form an emulsion with coolants in machining centers, making it difficult to maintain clean and effective coolants. However, CITGO SlideRite Oils are specially designed to minimize this problem. As a result, these oils are particularly recommended for use in applications where synthetic coolants or soluble oil emulsions are used. CITGO SlideRite Oils are light colored, have a very mild odor, and provide good visibility of slideways.

The ISO VG 32, ISO VG 68 and the ISO VG 220 grades of CITGO SlideRite Oils have been formulated to meet the requirements of the Cincinnati Lamb (formerly Cincinnati Machine) specifications covering machine tool way lubricants.

Grade	Cincinnati Lamb Specification
CITGO SlideRite® 32	P-53*
CITGO SlideRite® 68	P-47
CITGO SlideRite® 220	P-50

CITGO SlideRite 68 meets STLE Standard W-315.

CITGO SlideRite 220 meets STLE Standard W-1000.

***NOTE:** Cincinnati Lamb 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 and CITGO SlideRite 320 are suitable for use as a slideway lubricant where a heavy viscosity oil is specified.

(Continued)



CITGO SLIDERITE® OILS

Date 08/12 - (Continued)

TYPICAL PROPERTIES:

CITGO SLIDERITE® OILS

Grade	32	68	220	320
Material Code	637203001	637210001	637220001	637320001
Gravity, ASTM D 4052, °API	31.5	29.5	29.8	26.9
Density, lb/gal at 60°F	7.228	7.32	7.305	7.43
Flash Point, ASTM D 92, °F (°C), COC	392 (200)	428 (220)	455 (235)	482 (250)
Viscosity, ASTM D 445, cSt at 40°C	32.9	69.0	220	320
cSt at 100°C	5.9	9.1	19.6	25.9
ASTM D 2161, SUS at 100°F	169	357	1163	1482
SUS at 210°F	46	57	99.2	124.1
Viscosity Index, ASTM D 2270	123	105	100	100
Pour Point, ASTM D 97, °F (°C)	-27 (-33)	-17 (-27)	+10 (-12)	+10 (-12)
Color, ASTM D 1500	L1.5	L2.5	L2.5	L3.5
Texture	Tacky	Tacky	Tacky	Tacky
Stick-Slip Coefficient Ratio, Max. ⁽¹⁾	0.8	0.8	0.8	0.8
Gleittechnik Demulsibility Test	Pass	Pass	Pass	Pass
ISO VG No.	32	68	220	320
Cincinnati Lamb Specification	P-53	P-47	P-50	—
STLE Standard	—	W-315	W-1000	—

Note:

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