



CITGO WIRELINE LUBRICANTS

Date 04/18

DESCRIPTION: CITGO Wireline Lubricants are premium viscous, tacky lubricants and sealants designed specifically for use in oil and gas well logging operations and other wireline applications where a lubricating dynamic seal is required. Formulated with advanced corrosion inhibitors to protect against corrosion in harsh high pressure down-hole environments where exposure to moisture, H2S, and corrosive fluids occur. CITGO Wireline Lubricants are available in several viscosity grades for ease of application in varying temperature conditions.

- QUALITIES:** CITGO Wireline Lubricants offer:
- Excellent sealing capability
 - Excellent adhesion to prevent sling off, splatter and drip
 - Outstanding corrosion protection
 - Ease of application
 - Excellent low temperature performance

APPLICATIONS: CITGO Wireline Lubricants are recommended as a lubricant/sealant for braided wirelines, cables and slicklines used in down-hole operations including oil and gas well logging, pipe recovery, and reservoir analyses.

TYPICAL PROPERTIES:

CITGO WIRELINE LUBRICANTS

Material Number	637163001	637167001	637169001	637170001	637172001
Grade	68	220	460	680	1500
Specific Gravity, 60°F	0.897	0.895	0.890	0.888	0.880
Pounds per Gallon	7.47	7.45	7.41	7.39	7.33
Color	0.5	3.5	3.5	4.5	5.0
Appearance	Light Amber	Amber	Amber	Amber	Amber
Flash Point, °C (°F)	170 (340)	204 (400)	227 (440)	227 (440)	230 (446)
Viscosity					
cSt @ 40°C	68.4	220	460	680	1,500
cSt @ 100°C	10.8	22.2	42.6	62.1	120
Pour Point, °C (°F)	-33 (-27)	-18 (0)	-15 (5)	-18 (0)	-21 (-6)
Rust Test, D-665B	Pass	Pass	Pass	Pass	Pass
Texture	Tacky Liquid	Tacky Liquid	Tacky Liquid	Tacky Liquid	Tacky Liquid
Material Number	637174001	637179001	637175001	637176001	
Grade	5000	7500	10000	12000	
Specific Gravity, 60°F	0.872	0.862	0.864	0.863	
Pounds per Gallon	7.26	7.18	7.20	7.19	
Color	5.5	2.5	6.0	L0.5	
Appearance	Amber	Amber	Amber	Amber	
Flash Point, °C (°F)	230 (446)	189 (373)	230 (446)	174 (345)	
Viscosity					
cSt @ 40°C	5,000	7,500	9,200	12000	
cSt @ 100°C	400	674	800	1100	
Pour Point, °C (°F)	-24 (-11)	-28 (-18)	-21 (-6)	-18 (0)	
Rust Test, D-665B	Pass	Pass	Pass	Pass	
Texture	Tacky Liquid	Tacky Liquid	Tacky Liquid	Tacky Liquid	

NOTE: These products are NOT designed to be used as wire rope lubricants on draglines, cranes, elevators, shovels, drilling rigs, suspension bridges, or cable stayed bridges.

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