

CITGO LITHOPLEX® CM & HM GREASES



Date 06/15

DESCRIPTION: CITGO Lithoplex CM and Lithoplex HM greases provide outstanding protection in construction and mining applications where exceptional wear protection is required due to heavy shock load conditions. These premium quality Lithium Complex greases contain Molybdenum Disulfide for additional protection in harsh environments which reduces frictional and abrasive wear on components. The results are increased equipment life and lower maintenance costs.

QUALITIES: The CITGO Lithoplex grease family represents the latest technology in greases. These Lithoplex greases contain extreme pressure (EP) additives, anti-wear (AW) additives, oxidation inhibitors, and corrosion inhibitors. They are suitable for use at higher temperatures than conventional soap greases.

Extreme Pressure and Wear Protection: Lithoplex CM and Lithoplex HM provide excellent extreme pressure and anti-wear protection. Lithoplex CM contains 3% Moly Disulfide and Lithoplex HM contains 5% Moly Disulfide to provide additional protection in harsh environments. These products are a good choice in applications where metal to metal friction and high loads exist.

Corrosion Protection: Lithoplex CM and HM are formulated to resist corrosion, thereby extending equipment life. This is of particular importance in applications where moisture is present.

Oxidation Resistant Formulation: These greases contain oxidation inhibitors to extend grease life and protect the application for longer periods.

Polymer Fortified: Lithoplex CM and Lithoplex HM contain polymer for improved water resistance and improved adhesion.

APPLICATIONS: Lithoplex CM contains three percent Moly Disulfide and Lithoplex HM contains five percent Moly Disulfide to meet equipment manufacturer's requirements. Applications include construction equipment, mining equipment, fifth wheels, industrial applications, bucket pins, crusher bearings, pin and bushings, pivot pins, track drive rollers.

APPROVALS:	Liebherr Mining Truck Auto Lube Systems	Lithoplex CM 1
		Lithoplex HM 1
	State of North Carolina 9150-1D Category 3	Lithoplex CM 2
	Primo Trailer Sales	Lithoplex CM 2
	State of Hawaii	Lithoplex CM 2

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TYPICAL PROPERTIES:

CITGO LITHOPLEX® CM & HM GREASES

Product	Lithoplex CM1	Lithoplex CM2	Lithoplex HM1	Lithoplex HM2
NLGI Grade	1	2	1	2
Material Code	655351001	655352001	655356001	655357001
Worked-60 Penetration	310-340	265-295	310-340	265-295
Grease Type	Lithium Complex	Lithium Complex	Lithium Complex	Lithium Complex
Color	Gray	Gray	Gray	Gray
Texture	Smooth, Adhesive	Smooth, Adhesive	Smooth, Adhesive	Smooth, Adhesive
Four-Ball Weld, ASTM D 2596, kgf	400	400	500	500
Four-Ball Load Wear Index, ASTM D 2596	64	64	64	64
Four-Ball Wear, ASTM D 2266, mm	0.45	0.45	0.40	0.40
Rust Protection, ASTM D 1743	Pass	Pass	Pass	Pass
Water Washout, 175°F, ASTM D 1264, % Loss	2.0	2.0	2.5	2.0
Dropping Point, ASTM D 2265, °F	500	500	500	500
Molybdenum Disulfide, %	3	3	5	5

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