

## ConocoPhillips Tacna® M5 Grease NLGI Grade 0

Category : Fluid , Lubricant , Lithium Gellant , Organic Soap Gellant

### Material Notes:

Description: Conoco Tacna M5 Grease is a high-performance, lithium-complex grease with 5% molybdenum disulfide specifically designed for extreme loading conditions. The combination of highly refined base oil and moly as a solid lubricant provides superior wear protection for extra heavily loaded equipment, such as Caterpillar 5000 series and Le Tourneau mining equipment. Balanced antiwear and EP additives provide excellent wear protection under even extreme operating conditions with the ability to work as a true "multipurpose" grease. One grease for all equipment helps prevent damaging misapplication. Good water washout properties also help ensure the grease stays where it needs to be, in critical machinery. Suitable for use in most centralized lubrication systems where the small particle size of molybdenum disulfide (

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ConocoPhillips-Tacna-M5-Grease-NLGI-Grade-0.php](http://www.lookpolymers.com/polymer_ConocoPhillips-Tacna-M5-Grease-NLGI-Grade-0.php)

Physical Properties	Metric	English	Comments
Viscosity Measurement	66	66	Viscosity Index (Base Oil Property); ASTM D-2270
Kinematic Viscosity at 40°C (104°F)	177 cSt	177 cSt	Base Oil; ASTM D-445
Kinematic Viscosity at 100°C (212°F)	13.9 cSt	13.9 cSt	Base Oil; ASTM D-445

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Load Wear Index	51	51	ASTM D-2596
Four Ball Extreme Pressure, Weld Load	315 kg	695 lb (mass)	ASTM D-2596
Four Ball Wear	0.650 mm	0.0256 in	Scar mm @ 40 kg.; ASTM D-2596
Penetration	351.5 - 388.5	351.5 - 388.5	Worked 10,000 strokes
	370	370	ASTM D-217
Timken Test	24900 g	55.0 lb	ASTM D-2509

Thermal Properties	Metric	English	Comments
Pour Point	-15.0 °C	5.00 °F	(Base Oil Property); ASTM D-97
Flash Point	227 °C	440 °F	Base Oil Property; ASTM D-92
Dropping Point	260 °C	500 °F	ASTM D-2265

Descriptive Properties	Value	Comments
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Color

Descriptive Properties	Gray-Black Value	Comments
Molybdenum Disulfide	0.05	>5 micron particle size
Oil Separation	1.2 wt. %	ASTM D1742
Oxidation Stability	4 psi drop/100 hrs	ASTM D942
Rust Test Rating	Pass	ASTM D1743
Soap Type (Thickener)	Lithium Complex	
Texture	Smooth	
Water Washout	10 %	ASTM D-1264

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China