



## *Product Data Sheet*

# SYN-TAC M5 GREASE

**PREMIUM, SYNTHETIC HEAVY DUTY MOLY GREASE  
IMPACT HAMMER GREASE**

NOV 2010

**SYN-TAC M5 GREASE** is a premium quality grease formulated with a synthetic base oil and a modified calcium sulfonate thickener. Recommended for applications where high temperatures and heavy water conditions are present. It forms a tough lubricant film that resists wear, carries high loads, and protects from rust and corrosion.

In service the following benefits;

- ◆ High temperature capability
- ◆ Excellent oxidation stability
- ◆ Extreme pressure high load properties
- ◆ Resistance to water washout
- ◆ Contains Molybdenum Disulphide

**SYN-TAC M5 GREASE** is recommended for a full range of automotive and industrial applications, including:

● Fleet ● Agriculture ● Mining ● Marine ● General Manufacturing ● Power Generation ● Forestry ● Automotive ● Construction ● Impact Hammers ● Rail Lines ● Pulp & Paper ● Steel Mills

**SYN-TAC M5 GREASE** contains 5% Molybdenum Disulphide used for protection against vibration and shock loading, and high temperatures. It is also suitable for the lubrication requirements of Caterpillar lubricant specifications and Terex requirements for 5% Moly grease, Chassis parts and wheel bearings of mining and other off-highway equipment. It is recommended to be used in severe operations such as heavy duty, shock loaded equipment found in industrial plants.

### **Product Handling and Maintenance**

**Syn-Tac M5 Grease** is manufactured from high quality synthetic base stocks, carefully blended with selected thickeners and additives. For applications above 270°C, frequent re-lubrication is recommended. As with all of our products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. High-pressure injection of any grease under the skin can cause serious delayed soft tissue damage and should be treated immediately by a physician. To avoid injection injuries, inspect greasing equipment regularly for worn hoses and fittings. Keep fingers away from the nozzle and ensure the nozzle is firmly in place before discharging the grease. Please refer to the Material Safety Data Sheet for further information.

Note: This product is not controlled under Canadian WHMIS legislation.

## PRODUCT SPECIFICATIONS

NLGI Grade.....	2
Thickener.....	Calcium Sulfonate
Base Oil Viscosity SUS @ 100°F.....	2600
Viscosity SUS @ 210°F.....	190
Pour Point, °F.....	+ 5
V.I. ....	126
Penetration, ASTM D 217, mm/10	
Pen. worked 60 strokes.....	270-290
Pen. worked 100,000 strokes change from 60 strokes.....	+ 2
Dropping Point, ASTM D 2265, °F (°C) .....	+ 572 (+300)
Oil Separation, ASTM D 1742 - 24 hours	
@ 25°C (77°F) .....	0.17
Roll Stability, ASTM D-1831 Pen.....	+ 19
Oxidation Stability, ASTM D-042	
psi press. drop/100 hours.....	0
psi press. drop/500 hours.....	2
psi press. drop/1000 hours.....	9
4 Ball Wear ASTM D 2266	
m/m scar, 40 kg, 1200 RPM 75°C, 1H .....	0.39
4 Ball EP test, ASTM D 2596	
LWI, kg .....	65
Weld point, kg.....	500
Timken OK load, ASTM D 2509 lbs. ....	65
Rust Test rating, ASTM D 1743 .....	Pass
Water washout, ASTM D 1264 @ 79°C (175°F) % loss .....	2.75
Wheel bearing leakage grams, ASTM D 1263	
modified @ 163°C (325°F).....	0.4
Molybdenum disulfide, %.....	5.0

The typical properties shown above are representative of current production. Some are controlled by manufacturing and performance specifications while others are not. All may vary within modest ranges.