

### Product Data Sheet

#### Product Description

The **Petro Plate M5/800 series** is a calcium sulfonate complex thickened lubricating grease. It is specially formulated for mining equipment, construction equipment, and other heavy-duty applications. This grease contains 5% molybdenum disulfide for protection against the most severe shock loads that affect pins, bushings, and joints on heavy-duty equipment. **Petro Plate M5/800 series** grease is fortified with additives that insure long service life and excellent corrosion resistance. Typical applications are electric and hydraulic shovels, draglines, haul trucks, loaders, crawler and rubber tire dozers, pins, bushings, and low to medium speed bearings.

#### Features & Benefits

- Excellent pin and bushing life.
- Superb mechanical stability.
- Outstanding EP performance.
- Exceptional water washout resistance.
- Excellent performance in wet conditions.
- Superior resistance to rust and corrosion.

#### Product Application

**Petro Plate M5/800 series** can be applied through all automatic lubrication equipment or manually through a hand held grease gun.

**Petro Plate M5/800 series** working temperature range #00 is -45 to 40 °C, #0 is -30 to 70 °C, #1 is -25 to >160 °C, and #2 is -15 to >160 °C.

**Petro Plate M5/800 series** is available in 35 lb pails, 120 lb kegs, 400 lb drums, and bulk containers.

#### Notes

**Petro Plate M5/800 series** is designed to extend component service life while reducing lubricant consumption in all applications. If in doubt regarding the volume and/or frequency of lubricant to a specific lube point, contact a Petron Service Representative @ 1-262-797-4680.

If you require further information contact Petron at: [info@petroncorp.com](mailto:info@petroncorp.com).



## Petro Plate M5/800 Series Grease

Property	Method	Typical Data			
		NLGI #00	NLGI #0	NLGI #1	NLGI #2
Texture		Smooth	Smooth	Smooth	Smooth
Color		Gray	Gray	Gray	Gray
Base Oil Viscosity (40°C)	ASTM D445	150	150	150	150
Penetration (worked 60 double strokes)	ASTM D217	400-430	355-385	310-340	265-295
Mechanical Stability (worked 100,000 double strokes)	ASTM D217	< 3.0%	< 3.0%	< 3.0%	< 3.0%
Roll Stability	ASTM D1831	<3%	<3%	<3%	<3%
Dropping Point (°C)	ASTM D2265	>220°C	>288°C	>288°C	>288°C
Corrosion Prevention	ASTM D1743	Pass	Pass	Pass	Pass
Corrosion, Copper Strip	ASTM D4048	1b	1b	1a	1a
Oxidation Stability (% psi drop @ 100 hours (99°C))	ASTM D942	<1	<1	<1	<1
Oil Separation (% loss)	ASTM D1742	<1.0	<1.0	<0.5	<0.5
Four Ball EP, Weld load (kg)	ASTM D2596	800	800	>800	>800
Four Ball EP, LWI (kg)	ASTM D2596	100	100	125	125
Four Ball Wear (mm)	ASTM D2266	0.5	0.5	0.6	0.6
Water Washout (% Loss)	ASTM D1264	<1	<1	<1	<1
Ventmeter, 600 psi <30 sec.	Lincoln VE-1	-30°C	-15°C	-10°C	0°C
Molybdenum Disulfide (Wt.%)		5.0	5.0	5.0	5.0
Salt Fog Corrosion (1mil d.f.t., hours)	ASTM B117	>800	>500	>500	>500

*In extremely cold weather conditions it is important that you are able to slow down the actuation of the pump and extend out the fault timers in order to be successful as you approach extreme cold conditions. You must also make sure vent meter reading in seconds as posted on PDS are acceptable for the injector model and machinery you plan to lubricate. The published vent time, when added to the required time to reach system pressure must be less than the cycle time set on the PLC of the auto lube system. Injector blocks should be as close as possible to site of application.*

Testing listed is typical, no warranty is expressed or implied regarding results obtained from use. Information contained on this Product Data Sheet is subject to change without notification. Seller shall not be liable for any loss or damage.