



# Petrotac EP Premium Arctic

## Open Gear Lubricant

### Product Data Sheet

#### Product Description

**Petrotac EP Premium Arctic** is Petron Corporation's newest offering in shovel and dragline Open Gear Lubrication designed to meet the latest requirements of leading OEM's. Petrotac EP Premium Arctic is a semi-synthetic, heavy-duty, extreme pressure Open Gear Lubricant designed to lubricate open gears on shovels, draglines, and associated mining equipment under extreme conditions. Petrotac EP Premium Arctic can also be applied in sleeve type bushings and bearings and anti-friction bearings that, by definition, are slow speed/high load.

**Petrotac EP Premium Arctic** is manufactured from a select blend of high viscosity base oils and poly alpha olefin (PAO) synthetic base fluids. These base fluids are blended to provide Petrotac EP Premium Arctic with exceptional adhesive film-forming characteristics. The ability of Petrotac EP Premium Arctic to form this film and resist "squeeze out" also allows the lubricant to cling tenaciously to vertical gearing and sliding surfaces that are predominant in mining mobile equipment.

#### Features & Benefits

- High Viscosity Semi-Synthetic Fluid designed to lubricate heavily loaded open gears and extend component life while reducing consumption.
- Solid anti-wear and extreme pressure additives provide unparalleled protection in the most heavily loaded zones of gear tooth mesh.
- Petrotac EP Premium Arctic is recommended for ambient temperatures ranging from -40°F (-40°C) to 32°F (0°C).
- Weld load protection greater than 800kg.
- Lubricant resists wash-off in rain and snow.
- Environmentally friendly, does not contain any solvents.

#### Product Application

**Petrotac EP Premium Arctic** is designed to lubricate open gears on shovels, draglines, and associated mining equipment under extreme conditions. Petrotac EP Premium Arctic may be applied by spraying, brushing, or dripping. Petrotac EP Premium Arctic is designed to be applied through all automatic lubrication equipment. Petrotac EP Premium Arctic is available 900 Liter bags, drums and kegs.

#### Notes

**Petrotac EP Premium Arctic** exceeds OEM base oil viscosity requirements for open gear lubricants on shovels and draglines.

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



## Petrotac EP Premium Arctic

Open Gear Lubricant

Property	Method	Typical Data
Color	Visual	Black
Appearance	Visual	Viscous Semi-Fluid
Specific Gravity	ASTM D-1298	0.98
Flash Point	ASTM D-92	295°F (146°C)
Undiluted 4 Ball EP Weld Point (kg)	ASTM D-2596	800
Rust	ASTM D-1743	Pass
Copper Strip Corrosion	ASTM D-4048	1A
Ventmeter, 600 (psi)	Lincoln VE-1	-30°F @ 35 sec
Ventmeter, 600 (psi)	Lincoln VE-1	-40°F @ 90 sec
Ventmeter, 600 (psi)	Lincoln VE-1	-50°F @ 649 sec
Base Oil Viscosity @ 40°C	ASTM D-445	50,000 cSt

*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.*

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