

# **TECH DATA**

## **VULTREX™ MPG & G-124**

### **PREMIUM HEAVY DUTY GREASE**

## **INTRODUCTION**

Petro-Canada Lubricant's VULTREX MPG and G-124 family of greases are premium performance, high dropping point, extreme pressure (EP), aluminum complex greases designed for a wide variety of heavy duty applications. The VULTREX MPG and G-124 grease family consists of different products formulated to meet a wide range of temperature conditions, load carrying capabilities and pumpability requirements. The aluminum complex thickener provides excellent resistance to water wash-off, while high oil viscosities and performance additives provide excellent film strength and metal protection. The VULTREX MPG and G-124 family of greases are recommended for heavy duty applications, such as:

- Construction equipment
- Farm machinery
- Mining and mineral processing
- Industrial machinery
- Forestry operations

## **FEATURES AND BENEFITS**

### **Heavy duty wear protection**

- Maintains a constant lubricating film under high load conditions which prevents wear
- Protects against severe shock loads

### **Year-round performance**

- Oil viscosities and thickener adjusted for different temperature ranges from the hottest summer to the coldest winter conditions

### **Excellent high temperature stability**

- Keeps its structure and consistency without hardening like some other greases
- Can be heated and cooled without causing separation of oil and thickener

### **Outstanding adhesive properties**

- Withstands being squeezed out from between metal surfaces and resists throw off

## **APPLICATIONS**

The VULTREX MPG and G-124 family of aluminum complex greases are characterized by their outstanding ability to withstand high pressures, shock loads and water wash-off as well as operate over a wide range of temperatures. Consequently, VULTREX MPG and G-124 greases are recommended for use in a wide range of applications that include mining, mineral processing, forestry, steel mills, construction and farming operations. The VULTREX G-124 grease is designed specially for lubricating truck components and other heavy duty automotive equipment.

VULTREX MPG Synthetic Arctic and EP1 meet the P & H 472 specification for multipurpose greases, and are on the Certified Lubricant Listing for the Bucyrus International SD4711 multi-purpose grease specification.

## VULTREX MPG EP 1

VULTREX MPG EP 1 is a grease that is recommended for lubricating heavily loaded plain or anti-friction bearings as well as sliding surfaces moving at low to moderate speeds. It is suitable for use with centralized lubrication systems. Specific applications include:

- Off-highway vehicle chassis and wheel bearings
- Ball mill conveyor and crusher bearings
- Low-medium speed gear couplings
- Steel mills, especially for bearings on slab casters
- Operating range is -25°C to 160°C (-13°F to 320°F)

## VULTREX MPG Synthetic Arctic

VULTREX MPG Synthetic Arctic is a synthetic grease designed for use in extremely cold weather on resource industry equipment such as shovels, draglines, excavators, blasthole drills, tracked equipment and other slow moving vehicles. This synthetic grease is compatible with the other grades of VULTREX MPG grease. An NLGI No. 0 consistency and a lower viscosity synthetic fluid allows the grease to be pumped down to -45°C. It is suitable for use in centralized greasing systems. Operating range is -45°C to 120°C (-49°F to 248°F).

## VULTREX G-124

VULTREX G-124 (NLGI No.2) is a red, tacky grease designed specially to lubricate heavy duty truck components such as wheel bearings, bushings, king pins, chassis points, etc. encountered in the mining, forestry and transportation industries. These applications involve vibration and shock loading which require EP properties. Operating range is -20°C to 160°C (-4°F to 320°F).

### TYPICAL PERFORMANCE DATA

Property	Test Method	VULTREX		
		MPG EP1	MPG Synthetic Arctic	G-124
NLGI Grade	D217	1	0	2
Colour	PCM 264	Brown	Brown	Red
Texture	PCM 264	Buttery	Buttery	Stringy
Dropping Point, °C	D2265	247	244	277
Worked Penetration 60 strokes	D217 A	333	366	279
Oxidation Stability 100 hrs, psi drop	D942	7	3	1
Base Oil Viscosity cSt @ 40°C SUS @ 100°F	D445	473 2550	151 775	220 1168
Four Ball Weld Point, kg	D2596	400	400	315
Four Ball Wear, scar diam mm	D2266	0.4	0.6	0.5
Copper Corrosion	D4048	1b	1b	1a
Water Washout % @ 79°C	D1264	8.6	10.8	2.5
Normal Operating Temperature Range, °C (°F)		-25 to 160 (-13 to 320)	-45 to 120 (-49 to 248)	-20 to 160 (-4 to 320)

The values quoted above are typical of normal production. They do not constitute a specification.

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Committed to the disciplined operation of our business.



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