



## VULTREX™ GEAR SHIELD NC AND VULTREX GEAR DRESSING EP OPEN GEAR LUBRICANTS

### Introduction

#### VULTREX Gear Shield† NC

Petro-Canada VULTREX Gear Shield NC is a semi-fluid lubricant designed for mill gears and other types of open gears operated with centralized lubrication systems. In many applications, VULTREX Gear Shield NC lubricant has delivered trouble-free performance for over 25 years.

VULTREX Gear Shield NC is a cost-effective semi-fluid lubricant formulated with a high-viscosity base fluid.

#### VULTREX Gear Dressing EP

VULTREX Gear Dressing EP is a high quality water and heat resistant grease based on a premium synthetic lubricant. This grease has excellent adhesive film properties and provides excellent protection to industrial open gear and chain drives by reducing metal to metal contact. The extreme pressure additives in VULTREX Gear Dressing EP improve the load carrying ability of this grease and reduce wear under very high pressure.

### Features and Benefits

#### VULTREX Gear Shield NC

- **Excellent EP (Extreme Pressure) performance**
  - Offers excellent lubrication during normal mill operations
  - Protects gears from shock loads and damaging torque stress during mill start-ups
  - Best FZG wear test result (0.532 mg/kwh) for this product class

- **Non-hazardous products - free of chlorinated solvents, lead compounds and carcinogens**
  - No special handling required
  - Environmentally friendly
- **Gives a softer and more even lubricant film than competitive greases made with volatile solvents**
  - Higher viscosity ensures better coverage of gear surfaces
  - Less product loss
  - Drains freely from gear shrouds which reduces maintenance costs
  - Excellent pumpability, no spray nozzle plugging
  - No build up in gear tooth roots

#### VULTREX Gear Dressing EP

- High resistance to heat and water
- Forms a tenacious film to protect gears and chains against abnormally heavy loads and pressures

### Applications

#### VULTREX Gear Shield NC

Petro-Canada VULTREX Gear Shield NC is designed for open gears using manual or centralized lubricant application systems. They are recommended for use in all types of mill gears including ball, rod and sag mills as well as kilns and dryers. VULTREX Gear Shield NC is approved by, or meets the specifications of all of the major mill and gear manufacturers including:

UBE	Koppers
FALK	Dominion
Boliden Allis	Fuller
David Brown	Foster Wheeler
Metso (Svedala)	

†Gear Shield is a registered trademark of Petron Corp; Petro-Canada is a registered user.

## VULTREX Gear Dressing EP

VULTREX Gear Dressing EP is specially formulated for the lubrication of industrial open gears and chains when applied by a caulking gun.

PROPERTY	TEST METHOD	VULTREX	
		GEAR SHIELD NC	GEAR DRESSING EP
Penetration, 25°C, 60 strokes	D217	395	292
Dropping Point, °C / °F	D566	26 / 79	>300 / >572
Colour	PCM 264	Black	Black
Texture	PCM 264	Stringy	Stringy
Four Ball Weld Point, 10s, kg	D2596	400	315
Load Wear Index	D2596	77	-
Four Ball Wear, scar diam., mm	D2266	0.49	0.53
Mobility, g/s @ 0°C / 32°F	PCM 533	0.03	-
Timken EP Test, pass, kg / lb	D2509	18 / 40	20 / 45
FZG - Test, A/8.3/90, Scuffing load stages passed	DIN 51354	12	-
Lincoln Ventmeter Test, -1°C, kPa (psig)	Lincoln VE-1	680 (100)	-
Base Oil Viscosity cSt @ 40°C	D445	4931	26554
Flash Point (Diluted), COC, °C / °F	D92	>121 / >250	224 / 435

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

## Health and Safety

To obtain Material Safety Data Sheets (MSDS), contact one of our TechData Info Lines.



## TechData Info Lines

To place an order, please call a Customer Order Management Representative at:

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