

PUMA HD CaS CX GREASE

is a complex Calcium Sulphonate grease delivering exceptional performance where other conventional greases fail in extreme operational environments such as marine applications. It specially formulated thickeners, specially selected base oil and propriety additives allow the most severe applications to be protected.

- ✓ Extreme Pressure
- ✓ Chemically Stable
- ✓ Oxidation Stability

Design to perform

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Calcium Sulphonate greases are technically some of the more advanced grease technology delivering superior performance in;

- Mechanical Stability with very low bleed rates allowing for low consumption and extended grease life
- Excellent load carrying capacity with 4 ball Fail Stage greater than 400 kg, providing exceptional wear protection
- Superior water resistance with an ability to hold up 50% of its own weight in moisture, providing exceptional rust & corrosion protection.
- Excellent thermal stability allowing it to operate for extended period at above 100°C. Normal operating range -40 to 160°C will easily handle intermittent spikes to 200°C
- Excellent oxidation resistance under extreme operational condition providing long grease life
- Extended bearing life under sever shock loading conditions
- Suitable for both ferrous and non-ferrous metal designs
- Extended regressing intervals due to high level of reversibility and ability of grease to retain base oils

Applications:

- Steel rolling mills and Continuous casters
- Paper Mill Wet and Drying ends
- Marine applications including winches, deck applications, Dredgers arm pivot pins and bushes
- Fifth Wheels on HD Trucks
- Port ship Loading and Offloading Plant and Machinery
- Mobil Plant heavily loaded bearings and sliding surfaces
- Electric Motors in wet and hot operational conditions
- Severely loaded and shocked trailer bearings

Typical Physical Characteristics

Property	Test Method	Typical Results
Thickener		Calcium Sulphonate
Base Oils		MO
NLGI		2
Colour		Tan
NLGI Rating		GC / LB
Grease Classification	DIN51825	KP2P-30
Kinematic Viscosity, cSt. @ 40°C	ASTM D-445	233
Drop Point, °C	ASTM D-2265	318
4 Ball Weld Load EP Test, kg	ASTM-2596	500
Water Wash Out %	ASTM - 1264	1

These characteristics are typical of current product methods whilst future production will conform to Puma Lubricants specifications, variations in these physical characteristics may occur.

Health & Safety Environment

- This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with eyes and skin, use proper impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on health and safety is available on the appropriate Safety Data Sheet (SDS) which can be obtained from pumaenergypng.datasheetdownloads.com, sds.pumaenergy.com.au

Protect the Environment

- Take used oil to an authorized collection point. Do not discharge used or new oil into drains, soil or water.

Additional Information

- Technical advice on any applications not covered here may be obtained from your Puma Energy Representative.