



CERAN HRM 460

DESCRIPTION

Extreme-pressure water resistant high temperature “NEW GENERATION” calcium sulfonate complex grease.

APPLICATIONS

CERAN HRM 460 is a heavy duty extreme pressure grease, designed for working roll bearings in Hot Rolling Mills and Continuous Casting Machines in the steel Industry, running under high temperatures, high loads and ingress of water.

CERAN HRM 460 helps to cope with the problem known as “downtime-induced rust” coming from the ingress of cooling water into the bearing and occurs when the bearing is at a standstill condition, while the rolls are being inspected.

CERAN HRM 460 replaces CERAN HVA with backward compatibility.

CERAN HRM 460 is also suitable as EP multi purpose grease, in various other industrial applications where water is in frequent contact with the grease.

SPECIFICATIONS

ISO 6743-9 : L-XBFHB 2

DIN 51 502 : KP2R-25

Conforms to:

DANIELI Standard 1: A02.2c (Type 3), A02.2d (Type 26)

SMS DEMAG SN 180-1 Lubricant No. 3

Primetals, Siemens VAI, URALMASH, NKMZ and others (please refer to your technical representative).

ADVANTAGES

Thanks to its very sophisticated formula and performance headroom, **CERAN HRM 460** meets the most stringent requirements set by industrial bearing manufacturers.

Excellent thermal and mechanical stability. It regains its original texture after cooling to ambient temperature.

Remarkable load resistance thanks to its inherent high extreme pressure and anti-wear properties.

Extraordinary water resistance, no significant loss of consistency is observed even with high amounts of water ingress in the grease.

Improved oxidation resistance allowing extended re-greasing intervals.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.

A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded at ms-sds.totalenergies.com

RECOMMENDATIONS

Veiller à ne pas polluer la graisse lors de son application par des poussières ou d'autres polluants. Utiliser de préférence un système de pompe pneumatique ou par cartouche pour le graissage.

TYPICAL CHARACTERISTICS

TYPICAL CHARACTERISTICS	METHODS	UNITS	CERAN HRM 460
Soap/thickener		-	Calcium sulfonate
NLGI grade	ASTM D 217/DIN 51 818	-	2
Color	Visual	-	Brown
Appearance	Visual	-	Smooth/tacky
Operating temperature range		°C	-25 to 180
Penetration at 25°C	ASTM D 217/DIN51 818	0.1 mm	265-295
Four ball weld load	ASTM D 2596	kgf	>400
Anti-rust performance SKF-EMCOR	ISO 11007	rating	0-0
Dropping point	IP 396	°C	>300
Kinematic viscosity of the base oil at 40°C	ASTM D 445/DIN 51 562-1/ISO 3104/ IP71	mm ² /s (cSt)	460

Above characteristics are mean values given as an information.

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