



CT 4

MULTI-PURPOSE GREASE

MOLYBDENUM DISULFIDE

DEFINITION

CT 4 is a multi-purpose grease with micronized, extra pure molybdenum disulfide (MoS₂). Enables lubrication of all mechanisms under heavy loads and under extreme thermal conditions.

ADVANTAGES

The presence of MoS₂ considerably improves the product's ability to withstand heavy loads and reduces the effects of wear from contact.

CT 4:

- Is insoluble in cold or hot water.
- Contains anti-wear additives, extreme pressure additives and anti-corrosive agents.
- Withstands oxidation and extreme temperatures extremely well.
- Allows to reduce greasing frequency by 2 to 3 times compared to similar greases without additives.
- Ensures safe lubrication by creating a MoS₂ film which covers and coats parts. Should there be insufficient grease, this deposit of MoS₂ will prolong and ensure lubrication.

Product tested and referenced by POTAIN MANITOWOC GROVE for lubrication of slewing rings of jib cranes.

APPLICATION

- Ball bearings, needles and rollers, main bearings, hinges, splined shafts, cables, etc.
- Winches, pulleys, capstan, locks, gearing, runners, gears, etc.
- Construction equipments, public works, materials handling, transportation vehicles, agricultural equipment, boats, etc.
- Mounting gaskets (resistant to mineral oils).
- Ball and socket heads, slewing rings of jib cranes and excavators, fifth wheels of tractors and trucks.

PHYSICAL PROPERTIES

Color	Black
Viscosity of base oil at 40°C (ASTM D 445)	120 mm ² /s
Drop point (NFT 60-102)	180°C
NLGI Grade	2

PHYSICAL PROPERTIES - continued

Worked penetration (NFT 60-132)	265-295
EP 4 balls test (ASTM D 2596)	> 250 kg
Anti-rust performance (EMCOR) (NFT 60-135)	0-0
Oil separation after 3 days at 100°C (AIR 1650A)	1%
Operating temperature	-40°C to +165°C
DN Factor	> 350,000

DIRECTIONS FOR USE

Clean parts before applying lubricant; do not mix with another grease.
Apply grease in thin layers to the parts to be lubricated.
CT 4 can substitute for non-reinforced greases.

PACKAGING

400 g cartridge Ref: O-0608-C4 x 12

WARRANTY

The information contained herein is presented without guarantee or warranty and the Seller disclaims any liability incurred from the use thereof. Nothing contained herein is to be construed as a recommendation for any use in a commercial process not controlled by the Seller, nor for a use which is in violation of any existing patent, foreign or domestic, or of applicable laws and regulations. THE SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, EXCEPT AS EXPRESSLY STATED IN SELLER'S SALES CONTRACT OR SALES ACKNOWLEDGEMENT FORM.

Orapi Applied (S) Pte Ltd

No 26 Tuas Avenue 13 Singapore 638992

Tel: +65 6265 2888

Fax: +65 6268 6474

Inquiries: sin.sales@orapi.com.sg

Web Site: www.orapi.com



TDS 608 / 002 – 11/07/2017

2/2

The ORAPI Group designs, manufactures and markets " Highly Technical Solutions" for Maintenance Repair and overhaul of machines and equipments. The Group is present in over 100 countries with 32 subsidiaries and an international network of import-distributors. The Group operates 7 manufacturing plants and 4 laboratories of R&D. ORAPI is certified ISO 9001 and ISO 14001.