

### ART OIL CALCIUM SULFONATE COMPLEX GREASE

#### DESCRIPTION

ART OIL CALCIUM SULFONATE COMPLEX GREASE (CASX EP SERIES) has calcium-sulfonate soap and provides high performance in applications requiring heavy load and extreme pressure. It shows long-lasting performance at operating temperatures between -20 and 250°C, even under wet, variable, shock, and vibrating loads.

#### FIELDS OF USAGE

It can be easily used in CCM, in pulling, straightening, and transfer ways, cooling platform rollers, in rolling mills bearings with low and medium speed and high temperatures with vibrating, impact loads, and plain bearings, in the automotive, paper, mining, cement, agricultural machinery, construction machinery sector, in harsh conditions, in moving belt conveyor beds, crane mechanisms, and marine vehicles.

#### PROPERTIES

- Provides high performance even under heavy loads in favor of their high-quality EP additives.
- Operates at extremely elevated temperatures with an extremely high dropping point.
- Provides performance even in watery environments with their water resistance and protects bearings in muddy and demanding conditions.
- Dampens impact and vibration loads and reduce friction and wear.
- In favor of the antioxidant and anti-corrosion additives it contains, it provides great protection against corrosion.

#### PERFORMANCE LEVELS

DIN 51825: KP1 R-20 (CASX EP 11-460), DIN 51825: KP1(1,5) R-20 (CASX EP 115-460), DIN 51825: KP2 R-20 (CASX EP 12-460)

#### STORAGE

- Packaging should be stored in covered areas with the lids tightly closed.
- It should not be exposed to the direct effects of sun heat and heat sources.
- The ambient temperature should not exceed 60°C.
- Maximum two pallets should be stored on top of each other.
- Consult the Material Safety Data Sheet (MSDS) for more information.

### SUBSTANTIAL AND CHEMICAL PROPERTIES

|  | -          | 1                         | 1.5                       | 2                         |
|--|------------|---------------------------|---------------------------|---------------------------|
| NLGI   | -          | 1                         | 1.5                       | 2                         |
| Color  | -          | Yellow                    | Yellow                    | Yellow                    |
| Soap Type                                    | -          | Calcium Sulfonate Complex | Calcium Sulfonate Complex | Calcium Sulfonate Complex |
| Processed Penetration, 60 ST, 25°C           | ASTM D 217 | 310-340                   | 295-305                   | 265-295                   |
| Drip Point, min. °C                          | ASTM D 566 | >300                      | >300                      | >300                      |
| Operating Temperature, max. °C               | -          | 250                       | 250                       | 250                       |
| Base Oil Viscosity, 40°C mm <sup>2</sup> /sn | ASTM D 445 | 460                       | 460                       | 460                       |

(\* ) Values may differ from production to production.

#### HEALTH AND SAFETY

Used waste products should not be dumped into underground and above-ground water sources, sewer connections, and garbage. Prolonged contact with used oils can cause skin diseases. Therefore, sterile gloves should be used. If the used oil encounters the skin, that area should be washed immediately with plenty of water and soap. If irritation or redness occurs in case of skin contact, seek medical advice immediately.