

ULTRA-TECH CSI 146

Industrial Calcium Sulphonate Complex Grease

Definition

Ultra-Tech CSI 146 is a high performance grease, combining calcium sulphonate complex and molybdenum disulfide technologies for industrial applications operating under extreme load, temperature and water.

Places of Use

In heavy industry such as iron-steel, cement, paper and mining, equipment works under extraordinary load and temperature, cooling with water is used; It is recommended to be used in low-speed applications such as continuous casting line (SDM), ladle turrets, roller bearings, press and rolls, off-road equipment.

Features and Benefits

- Protects equipment operating under pressurized water by forming a durable oil film.
- While it protects the equipment at the highest level in aqueous environments thanks to the antioxidants and corrosion inhibitors it contains, it maintains this protection for a long time with its resistance against water.
- Thanks to its wide operating temperature range, it is pumped to the furthest points at low temperatures, and blockages due to carbonization are prevented at high temperatures.
- It has high extreme pressure (EP) and anti-wear (AW) additive properties thanks to its calcium sulfonate complex structure developed with special gelation technology.
- Molybdenum disulfide additive works in harmony with the soap structure, effective protection against sudden (shock) loads while ensuring that the grease supply to the equipment is interrupted, it adheres to the bearings longer and reduces the risk of failure.
- It maximizes equipment protection by creating a barrier against contaminants such as dust, dirt, scale, and extends the life of bearings and bearings.
- Offers a wide operating temperature range due to its high dropping point properties.

Specifications and Approvals

DIN 51825: KP1 (1,5) R-20

Typical Features *

Soap Type		Calcium Sulphonate Complex
NLGI		1.5
Color		Black
Base Oil Viscosity, 40 ° C, mm ² / s Timken	ASTM D 445	400
OK, lb	ASTM D 2509	65
Dropping Point, ° C	ASTM D 566	> 280
Boiling Load, kg	ASTM D 2596	800
Rust Test	ASTM D 1743	Passes
Fat Separation, wt%	IP-121	one
4 Ball Wear, 40 kg, 60 min. Water	IP-239	<0.5
Resistance, % weight Water Spray, %	ASTM D-1264	5
weight	ASTM D-4049	<30
Working Temperature, ° C max.		180 **

* Values may differ from production to production.

** Working temperature can be up to 230 ° C with continuous grease supply



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