



SMOOTHER WORLD BETTER LIFE

Technical Data Sheet

HG-460

Calcium Sulfonate Complex Grease

Service Temperature Range

-20 °C to +180 °C

Examples of Application

- Low-speed, heavy-load bearings in mining and building-materials equipment
- Heavy-duty conveyor bearings and sliding parts
- Steel mill roll and roll-neck bearings
- Heavy-load bearings in continuous casters
- Wet-end bearings in paper machines

Features and Benefits

- 460-viscosity oil for low-speed, heavy loads
- Focus on wear, load and mechanical stability
- For low-speed, heavy-load and wet bearings
- Focus on rust protection in wet conditions
- Consider pumpability and oil separation needs

NLGI Grade	1	2	3	Test Method
Appearance	Smooth, uniform grease	Smooth, uniform grease	Smooth, uniform grease	Visual
Thickener Type	Calcium Sulfonate Complex	Calcium Sulfonate Complex	Calcium Sulfonate Complex	/
Base Oil Type	Mineral Oil	Mineral Oil	Mineral Oil	/
Kinematic Viscosity (40°C), mm ² /s	460	460	460	ASTM D445
Kinematic Viscosity (100°C), mm ² /s	32	32	32	ASTM D445
Worked Penetration, 0.1 mm	317	277	250	ASTM D217
Change in Prolonged Worked Penetration (100,000 strokes), 0.1 mm	15	15	15	ASTM D217
Dropping Point, °C	340	340	340	ASTM D2265
Oil Separation (100°C, 24 h), %	3.21	2.6	2.2	ASTM D6184
Copper Strip Corrosion (100°C, 24 h), Rating	1b	1b	1b	ASTM D4048
Corrosion Preventive Properties (52°C, 48 h, distilled water)	Pass	Pass	Pass	ASTM D1743
Water Washout (79°C, 1 h), %	0.12	0.12	0.12	ASTM D1264
Weld Point (PD), N	3924	3924	3924	ASTM D2596

Application Notes

- Select according to bearing speed, size, load, temperature and grease supply. The 460-viscosity base oil suits low-speed, heavy-load service; follow equipment lubrication requirements.
- For wet, heavy-load steel mill service, consider water spray, water ingress and corrosion. For centralized systems, check pumping pressure, low-temperature delivery and line compatibility.

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Safety Data Sheet (SDS) are followed. The SDS is available upon request. Do not use this product for purposes other than the intended application. Take care to protect the environment when disposing of used product.