

AF-MOLY PLUS

5% MoS₂ Heavy Duty Grease



Features & Benefits

- 5% Molybdenum disulfide (MoS₂) formulation
- Satisfies Caterpillar's 5% "moly" content
- Available in two NLGI grades: 0 & 2
- Good load-carrying ability
- Good high-temperature performance
- Good water resistance

Typical Results

Test Method	AF-MOLY PLUS 0	AF-MOLY PLUS 2
THICKENER TYPE (D128)	Lithium Complex	Lithium Complex
NLGI GRADE	0	2
COLOUR / APPEARANCE	Grey / Smooth	Grey / Smooth
VISCOSITY, OIL COMPONENT (D445), cSt @ 40°C	155 – 185	155 – 185
CONE PENETRATION @ 25° C, WORKED, 60 STROKES (D217), (0.1 mm)	355 – 385	265 – 295
DROPPING POINT (D2265), (°C)	240	260
4-BALL-EP WELD POINT (D2596), (kg)	400	450
4-BALL WEAR SCAR DIAM (D2266), (mm)	0.60 max	0.50
TIMKEN OK LOAD (D2509), (lbs.)	-	50 min
LOW TEMPERATURE TORQUE (D4693), (N·m)	2.4	2.4
OIL SEPERATION (D1742), (%)	4.0	4.0
MoS ₂ CONTENT (D128), (%)	5.0	5.0
OPERATING TEMPERATURE (°C)	-20 to 218	-20 to 218

Sizes & Order Codes

Size	AF-MOLY PLUS 0	AF-MOLY PLUS 2
Box 10, 400 g Tubes	FG006712	FG007812
17 kg / 37.5 lbs. Pail	FG006740	FG007840
180 kg / 396.8 lbs. Drum	FG006750	FG007850



AF-MOLY PLUS are heavy-duty extreme pressure greases formulated with lithium complex soap thickener and high-quality mineral oil. They are fortified with 5% molybdenum disulfide (MoS₂) to provide dry film lubrication for load-bearing surfaces in applications with friction and the tendency for squeezing out.

AF-MOLY PLUS greases are available in two NLGI grades:

- NLGI 0 is suitable for automatic greasing applications
- NLGI 2 is intended for manual greasing applications

AF-MOLY PLUS satisfies Caterpillar's requirement for a 5% "moly" grease. Other OEM equipment requirements are also satisfied where at least 3% "moly" is required.

AF-MOLY PLUS greases are not intended for use in rolling bearing applications. Lubex EP and Lubex SYN are recommended for these applications.

Applications

AF-MOLY PLUS greases can be used in the following industries: *Forestry, Marine, Fleet, Rail, Construction, Mining and Drilling.*

Forestry: Feller bunchers, harvesters and knuckleboom loaders

- Clamp jaw pivots, turret gears, bucket pins, and boom slides
- Linkages/stabilizers and control linkages

Telehandlers:

- Tine pivots, boom slides, control linkages and tine-width ball screws

Marine: Winches, capstans and windlasses

- Ratchet teeth
- Wire rope/cables' spool drives

Fleet: Truck and trailer

- King pins, ball joints and bushings
- 5th wheels and 5th wheel pins

Rail: Locomotives and trolleys

- Car couplings
- Door slides

Construction, Mining and Drilling: Crushers, shakers, screeners

- Oscillation cams
- Open pinion gear

Always consult your owner's manual for verification of fluid type and grade!

Supporting data available to demonstrate acceptable performance. Check with your sales associate for latest product approvals.

Please note, these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to September 27, 2022.

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