



# Molygrease HD2

Heavy Duty Extreme Pressure Grease

Product Data Sheet



Molygrease HD 2 is a high quality, NLGI grade 2, multipurpose, lithium based grease. It is formulated with high viscosity base oils and fortified with extreme pressure additives and 3% molybdenum disulfide to provide protection where high and shock loads are encountered, especially in heavy mining, industrial and agricultural equipment.

Molygrease HD 2 resists oxidation and corrosion and has good mechanical and thermal stability together with good water resistance and pumpability.

## Applications

- Heavy duty mining equipment including excavators, hydraulic shovels, rope shovels, draglines, haul trucks, loaders and dozers.
- Heavy duty mining, industrial, agricultural, and automotive equipment particularly where high loads and shock loads are encountered.
- Slower speed, heavily loaded bearings in industrial applications such as sugar mills, roll mills and crushers.
- Anti-friction bearings, linkages, pins, bushes, turntables, chassis, shackle joints, universal joints, ball joints and other applications in mining, agricultural and construction equipment such as tractors, scrapers, loaders, shovels and off-highway trucks.

Useable temperature range in continuous service is -20 to 120°C.

Maximum temperature for short-term exposure is 160°C.

## Benefits

- Saves on heavy-duty maintenance  
Effective EP additive and molybdenum disulfide solid film lubricant protect against component wear under high load conditions and/or shock loading. Rust and corrosion inhibitors protect metal surfaces in wet operating conditions. Good pumpability promotes equipment protection at cold temperatures. High base fluid viscosity aids lubrication at low speeds.
- Solid film lubrication  
Molybdenum disulfide component plates out and resists wiping from lubricated surfaces, providing a solid lubricating film that reduces wear and friction.
- Reduced inventory  
Multipurpose capability allows use in a wide range of heavy-duty mining and industrial applications, reducing the number of different greases required and reducing product misapplication.
- Lubrication in dusty or wet conditions  
Heavy base oil minimises leakage and fling off and provides superior adhesion. Resists water washing and continues to provide effective lubrication in dusty or wet conditions.



### Typical Characteristics

	Product Code	5037
	NLGI Grade	2
	Molybdenum disulphide Proportion, m% Mean size (d50), µm	3 5
ASTM D445	Base Oil viscosity, mm <sup>2</sup> /s at 40°C 100°C	465 31
Visual	Colour	Grey-black
ASTM D2265	Drop Point, °C	> 217
IP239	Four Ball Weld Load, kgf	>620
ASTM D2266	Four Ball Wear Scar, mm	0.41
ASTM D1478	Low Temperature Torque, -20°C, mNm Starting Torque 1 Hour running torque	384 43
ASTM D217	Penetration, worked, tenth mm 60 strokes 10,000 strokes	276 286
ASTM D1743	Rust Prevention, 48hrs, 52°C	Pass
ASTM D2509	Timken OK Load kg (lbs)	25 (55)
ASTM D1264	Water washout, m% 38°C 80°C	2.36 2.72

### Pack Sizes

Bulk, 180kg, 20kg, 450g

### Environment Health and Safety

Users should consult the MSDS, follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.



### Other Information

For further information on Ampol products and services call the Technical Solutions on 1300 364 169.

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