

Shell MALLEUS® Grease OGM Medium

Superior Performance Open Gear and Wire Rope Grease

Shell MALLEUS® Grease OGM Medium is primarily designed for use in very heavy applications, and under severe operation conditions, in mining equipment, shovels, draglines and excavators in open cut operations. Open Gear Lubricant for ball mills and kilns.

Shell MALLEUS® Grease OGM Medium is based upon an Aluminum Complex soap thickener dispersed in a high viscosity, very high quality mineral base oil containing enhanced extreme pressure-antiwear chemistry. Product do contain solvent.

Performance Features and Benefits

- **Excellent load carrying capacity under severe operation conditions**
Grease contains selected components to ensure excellent resistance to shock and permanent heavy load
- **Very high mechanical and thermal stability**
Grease thickener structure is designed to resist mechanical stress and high temperature
- **Withstanding severe operation conditions**
like dust and dirt contamination, water, changes in temperature
- **Maintain adhesive characteristic over time**
due to the use of an advanced polymer technology, ensuring long lasting protection
- **Low Temperature capabilities**
The lubricant film maintains its adhesive characteristic and durable protection under the most demanding conditions
- **Environmental compliance**
Shell MALLEUS® Grease OGM Medium is not formulated to contain chlorinated solvent or lead

Main Applications

- Open gears on draglines, shovels, excavators, stackers and reclaimers
- Sticks
- Circle Rail and rollers
- Heavily loaded, slow moving antifriction bearings
- Bushings

- Slow moving wire rope

Advice on applications not covered in this handbook may be obtained from your Shell representative.

Operation Temperatures:

From -30°C up to +40°C

Specifications, Approvals, and Recommendations

Shell MALLEUS® Grease OGM Medium is designed to meet following specifications:
Bucyrus SD 4713
P&H 464 Ver 09, 04-93

Handling and Safety Information

For information on the safe handling, storage, or use of this product, refer to its Material Safety Data Sheet at <http://www.epc.shell.com/>. If you are a Shell Distributor, please call 1+800-332-6457 for all of your service needs. All other customers please call 1+800-237-8645 for all of your service needs.

Protect the Environment

Do not discharge into drains, soil, or water.

Typical Physical Characteristics

Shell MALLEUS® Grease	OGM Medium
NLGI Consistency	0
Color	Black
Soap Type	Al Complex
Base Oil (type)	High Quality Mineral
Solid Lubricant	Yes
Base Oil Viscosity (without solvent) @ 40°C cSt @ 100°C cSt (IP 71/ASTM-D445)	2250 132
Cone Penetration Worked @ 25°C, 0.1 mm (IP 50/ASTM-D217)	445-475
Four Ball Test, kg (IP 236)	800
Four Ball Wear Scar mm (ASTM D 2266)	Max 0.7
Four Ball Load Wear Index (LWI) kg (ASTM D 2596)	120
Copper Strip (ASTM D 4048)	1b

These characteristics are typical of current production. While future production will conform to Shell specifications, variation in these characteristics may occur.