



# SHELL MALLEUS<sup>®</sup> GREASE GL

## Premium performance open gear greases

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### Product Description

**Shell Malleus Grease GL** is a range of premium quality, lead and solvent free, EP lubricants developed for the lubrication and protection of open gears and wire ropes subjected to extremes of ambient temperature and operating temperatures.

**Shell Malleus GL products** are a unique blend of high quality paraffinic mineral and synthetic base oils with a proprietary additive system (including molybdenum disulfide) designed to provide optimum performance. Its balanced formulation allows the lubricant to stay soft and pliable over long periods, thus helping eliminate the build up of lubricant in the roots of the gear teeth.

**Shell Malleus GL** is suitable as a multi-service lubricant that can be used as the one grease (multi purpose and open gear) for the entire machine on most shovels, excavators and draglines (excluding electrical motors bearings)

### Applications

- heavily loaded open gears, particularly those found in grinding mills, kilns, shovels, draglines and excavator applications
- surface dressing of slow moving gears open to the atmosphere
- pivot pins/bushings and articulations found in earth moving equipment
- static and slow moving wire ropes including those intermittently immersed in salt water
- mooring ropes
- wide variety of heavy duty mining and industrial applications

### Features/Benefits

- excellent physical and mechanical stability
- excellent anti-wear performance
- high load carrying capacity
- water repellent
- excellent corrosion protection
- lead and solvent free

### Approvals and Recommendations

- FLSmidth (Malleus GL 400, 500)
- Metso - Svedala (Malleus GL 400, 500)
- Norberg (Malleus GL 400)
- Ferry Capitain (Malleus GL 400, 500)
- Falk (Malleus GL 400)
- Lincoln (All Malleus GL 400, 500)

<b>Typical Properties of Shell Malleus GL</b>			
	Test Method	GL 400	GL 500
Product Code			
Drum		5057742	5057698
Pail		5057726	---
Consistency			
Brookfield Vis, 65°C, cP (No. 27 Spindle, 20rpm)	D 2893	2000	--
Penetration, Unworked	D 217	---	330
Base Oil Viscosity:			
@ 40°C, cSt	D 445	1625	1625
@ 100°C, cSt	D 445	83.5	83.5
Density at 15°C	D 1298	1.018	1.070
Flash Point, COC, °F	D 92	>350	>350
Four Ball EP Test, Weld Pt. kgf minimum	D 2596	620	620
Four Ball Wear Test Scar Diameter, mm	D 2266	0.6	0.6
Falex Continuous Load, Failure, lbf	D 3233	4500+	4500+

### Dispensing

Shell Malleus GL may be applied manually or by conventional centralized automatic lubrication systems.

### Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet <http://www.equivashellmsds.com>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.