



Formerly Known As: Whitmore® SurStik® 800

# Shell Gadus (SurStik 800)

## Extreme-Service Open Gear Lubricant

- Multi-Service
- Pumpable
- Wear Protection

Shell Gadus (SurStik 800) is a high-performance extreme pressure lubricant designed for use on open gears and other highly loaded components under the most punishing conditions and hostile environments.

### DESIGNED TO MEET CHALLENGES

#### Performance, Features & Benefits

##### Features

The dark lubricating film that is formed by Shell Gadus (SurStik 800) is robust and tenacious. It is easily established and highly resistant to being washed off by over-lubrication. The use of high molecular weight polymers assures adhesion of solid lubricants to the component and long lubrication intervals. Shell Gadus (SurStik 800) will not be removed from shovel dipper sticks by wet or freezing conditions.

Shell Gadus (SurStik 800) meets the P&H Material Specification #520 for multiservice lubricants. It also meets the spec or is approved by Outotec, Komatsu, IHI (Japan) and PRASA (South Africa).

##### Benefits

- WEAR PROTECTION - extends component life, reduces operating expenses.
- MULTISERVICE LUBRICANT – for use on draglines and shovels.
- PUMPABILITY - In many climates, a single grade can be used year-round. Shell Gadus (SurStik 800) does not damage seals or packing materials used in pumping systems and injectors.

#### Main Applications



Shell Gadus (SurStik 800) is highly recommended for applications on mining shovels and draglines including open gears, sticks, circle rails and rollers, lower swing bearings, and bushings.

Shell Gadus (SurStik 800) meets or exceeds the lubricant specification of major OEM's for a multiservice lubricant.

#### Specifications, Approvals & Recommendations

For a full listing of equipment approvals and recommendations, please consult your local Shell & Whitmore Reliability Solutions Helpdesk.

## Typical Physical Characteristics

Properties			Method	Shell Gadus (SurStik 800)	
Grade				Medium	Heavy
Viscosity, Base Oil	@ 40°C	cSt	ASTM D445	285 – 315	600 – 670
	@ 100°C	cSt		19.0 – 21.0	28.5 – 31.5
Density	@60°F	lb/gal	Gardner Method	8.650	8.680
Specific Gravity	(15.5 °C)	g/cc		1.036	1.040
Four Ball EP, Weld Point		kg	ASTM D2596	800	620
Four Ball Wear, Scar Width		mm	ASTM D2266	0.60	0.7
Rust Test			ASTM D1743	Pass	Pass
Thickener				Aluminum Complex	Aluminum Complex

These characteristics are typical of current production. Whilst future production will conform to Shell & Whitmore Reliability Solutions specification, variations in these characteristics may occur.

## Health, Safety & Environment

### Health and Safety

Shell Gadus (Matrix M) is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <http://www.epc.shell.com/>

### Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

## Additional Information

### Advice

Advice on applications not covered here may be obtained from your Shell & Whitmore Reliability Solutions representative.