



Formerly Known As: Whitmore® Caliber® EP

# Shell Gadus (Caliber Blue)

- Extreme Pressure
- Water Resistant
- Anti-Wear

## Extreme-Service Grease

Shell Gadus (Caliber Blue) is primarily designed for use in heavy earthmoving and industrial equipment. The high protection from extreme pressure makes it suitable for use anywhere high load is encountered.

### DESIGNED TO MEET CHALLENGES

#### Performance, Features & Benefits

##### Features

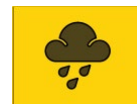
Protection from wear under high load is accomplished by a proprietary blend of light-colored solid lubricants. This forms a protective cushion and provides greater extreme pressure properties than molybdenum disulfide or graphite. Protection is further enhanced using selected additives that increase film strength and adhesion.

Higher temperatures can be tolerated with increased lubrication frequency.

##### Benefits

- Versatile Formulation – one grease can cover all normal ambient temperature applications in the slow to medium speed range.
- Extreme Pressure/Anti-Wear – protects against scoring, high shock load conditions, thus reducing downtime and costs of replacement parts.
- Water-Repelling – outstanding resistance to water.
- Safe – contains no heavy metals or hazardous ingredients.

#### Main Applications



Shell Gadus (Caliber Blue) grease is ideal for heavy-duty plant lubrication, earthmoving equipment and any application involving extreme pressure at slow to medium speeds. Owing to the high base oil viscosity, do not use in electric motor bearings.

#### 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 (Caliber Blue)
NLGI Grade		2
Worked Penetration - 60 strokes @25°C	ASTM D217	265-295
Dropping Point °F (°C)	ASTM D2265	350 (177)
Viscosity, Base Oil @40°C cSt	ASTM D445	36.5 – 40.5
@100°C cSt		8.25 – 9.25
Viscosity, Base Oil with Polymer @40°C cSt	ASTM D445	800 – 890
@100°C cSt		52 – 58
Density @60°F (15.5 °C) lb/gal	Gardner Method	8.410
Specific Gravity (15.5 °C) g/cc		1.008
Four Ball EP, Weld Point kg	ASTM D2596	620
Four Ball Wear, Scar Width mm	ASTM D2266	0.6
Water Spray-Off % Loss	ASTM D4049	7.5
Rust Test	ASTM D1743	Pass
Copper Strip Corrosion @212°F (100°C)	ASTM D4048 (Modified)	1B
Color		Blue
Thickener		Lithium

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 (Caliber Blue) 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.