



## Technical Data Sheet

Previous Name: Shell SRS 2000 Grease Summer

# Shell Gadus S4 V600AC 1.5

- Heavy Duty Protection
- Water resistant
- Red Lithium/Calcium

## Advanced Multi-purpose Heavy Duty Grease

Shell Gadus S4 V600AC provides outstanding heavy duty water resistant protection. This semi synthetic grease is the benchmark for performance in this severe service area because of the unique combination of thickener, polymers and additives.

### DESIGNED TO MEET CHALLENGES

#### Performance, Features & Benefits

- **High base oil viscosity to provide excellent load carrying performance**  
Meets the recommended base oil viscosity recommended by leading OEMs.
- **Excellent mechanical stability**  
To prevent grease breakdown, even in the presence of water.
- **Excellent water resistance**  
Ensures lasting protection even in the presence of large amounts of water.
- **Effective corrosion protection**  
Ensures components/bearings do not fail due to corrosion.
- **Excellent Adhesion (Tackiness)**  
Stays in place for longer re-lubrication intervals.

#### Main Applications



- Shell Gadus S4 V600AC resists water and provides long lasting protection for pins, bushings, 5th wheels, chassis points, universal joints, and couplings.
- Mining
- Steel
- Forestry & Agriculture

#### Specifications, Approvals & Recommendations

For additional questions and listing of equipment approvals and recommendations, contact you local Shell Technical Helpdesk or the OEM Approvals website.

#### Typical Physical Characteristics

Properties	Method	Shell Gadus S4 V600AC 1.5
NLGI Grade		1.5
Color		Red
Appearance		Tacky
Thickener		Lithium/Calcium
Worked Penetration - 60 strokes @25°C	IP 50 / ASTM D217	305
Worked Penetration - 100,000 strokes @25°C	IP 50 / ASTM D217	318
Worked Penetration - 100,000 strokes with 10% water added @25°C	IP 50 / ASTM D217	340
Estimated Operating Range Temperature °C		-15 to 135
Minimum Dispensing Temperature °C		0
Dropping Point °C	IP 396	183
Base Oil Viscosity, Blended @40°C cSt	IP 71 / ASTM D445	171
Base Oil Viscosity, Extracted @40°C cSt	IP 71 / ASTM D445	600
Base Oil Viscosity, Extracted @100°C cSt	IP 71 / ASTM D445	37.2
EP Tests - 4 Ball Scar mm		0.5
EP Tests - 4 Ball, Load Wear Index		50

Properties		Method	Shell Gadus S4 V600AC 1.5
EP Tests - Timken OK Load	kg		18.2
Water Spray off, % loss			50
Water Washout Test wt % loss	@78°C		5
Bomb Oxidation Pressure drop at 100h	@99°C	kPa	20
Corrosion Test, 48 hr Rating	@52°C		Pass
Oil Separation, wt%			0.3
Mobility	@-17.8°C	g/min	0.8

These characteristics are typical of current production. While future production will conform to Shell's specification, variations in these characteristics may occur.

## Health, Safety & Environment

### ■ Health and Safety

Shell Gadus S4 V600AC 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 Material 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

### ■ Re-greasing Intervals

For bearings operating near their maximum recommended temperatures, re-greasing intervals should be reviewed

### ■ Advice

Product recommendations on applications not listed here may be obtained from your Shell representative.



## Technical Data Sheet

Previous Name: Shell SRS Grease 2000 Winter

# Shell Gadus S2 V30KC 1

- Extreme Low Temperature
- Water Resistant
- Red Lithium Calcium

## High Performance Low Temperature Multi-purpose Grease

Shell Gadus S2 V30KC has been providing outstanding heavy duty water resistant protection in low temperatures for over 10 years. This semi synthetic grease has been the benchmark for performance in this severe service area because of the unique combination of thickener, polymers and additives. Proven in extensive field tests and meets the requirements of the NLGI GC-LB automotive certification.

### DESIGNED TO MEET CHALLENGES

#### Performance, Features & Benefits

- Exceptional resistance to water washout - allowing the grease to work under the very wet conditions.
- Outstanding mechanical stability - to prevent grease breakdown, even in the presence of water.
- Corrosion protection - to ensure your parts last longer.
- Excellent adhesion (tackiness) - stays in place for longer re-lubrication intervals.

#### Specifications, Approvals & Recommendations

- For additional questions and listing of equipment approvals and recommendations, contact your local Shell Technical Helpdesk or the OEM Approvals website.

#### Main Applications



Shell Gadus S2 V30KC will provide excellent service for logging trucks and other heavy duty fleet vehicles, construction equipment, agriculture and forestry equipment, car washes and marine applications. It resists water and provides long lasting protection for pins, bushings, 5th wheels, chassis points, universal joints, and couplings. They are approved by the CFIA (Canadian Food Inspection Agency) for industrial food plant use. Avoid food contamination during application and storage.

#### Typical Physical Characteristics

Properties	Method	Shell Gadus S2 V30KC 1
NLGI Grade		1
Color		Red
Appearance		Tacky
Thickener		Lithium/Calcium
Worked Penetration - 60 strokes @25°C	IP 50 / ASTM D217	310-340
Worked Penetration - 100,000 strokes @25°C	IP 50 / ASTM D217	335
Worked Penetration - 100,000 strokes with 10% water added @25°C	IP 50 / ASTM D217	360
Estimated Operating Temperature Range	°C	-40 to 80
Minimum Dispensing Temperature	°C	-35
Dropping Point	°C	175
Base Oil Viscosity, Blended @40°C	cSt	30
Base Oil Viscosity, Extracted @40°C	cSt	35
Base Oil Viscosity, Extracted @100°C	cSt	5.4
EP Tests - 4 Ball Scar	mm	0.5
EP Tests - 4 Ball, Load Wear Index		45
EP Tests - Timken OK Load	kg	18.2

Properties		Method	Shell Gadus S2 V30KC 1
Water Washout Test wt % loss	@78°C		10
Bomb Oxidation Pressure drop at 100h	@99°C	kPa	10
Corrosion Test, 48 hr Rating	@52°C		Pass
Oil Separation, wt%			4.7
Mobility	@-17.8°C	g/min	71

These characteristics are typical of current production. While future production will conform to Shell's specification, variations in these characteristics may occur.

## Health, Safety & Environment

### ■ Health and Safety

Shell Gadus S2 V30KC 1 Grease 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 Material 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

Product recommendations on applications not listed here may be obtained from your Shell representative.