



SHELL GADUS – HELPING TO LOWER THE TOTAL COST OF OWNERSHIP IN CONSTRUCTION

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WHAT TO RECOMMEND

Shell

GADUS

Grease may only be a small part of your maintenance budget, but it can improve your productivity and help to significantly decrease your maintenance costs and costs related to unplanned downtimes.

ADVANCED WEAR PROTECTION
IMPROVED RELIABILITY

LONGER GREASE LIFE
REDUCED MAINTENANCE SPEND

DESIGNED FOR OPTIMUM EFFICIENCY AND PERFORMANCE

	APPLICATION	GOOD	BETTER	BEST
 APPLICATION	Pins and Bushes			
	Bucket, King-, Sping-Hanger-, Boom-, Crowd- & Ripper Pins	Shell Gadus S2 V220 2	Shell Gadus S2 V220AD 2	Shell Gadus S3 V460D 2
	Chassis- & Blade Pivot			
	Load Carry Rollers			
	Open Gears			
	Anti-friction Bearings & General Applications			
	Driveshaft Cross Joints & Splines	Shell Gadus S1 V160 2	Shell Gadus S2 V220AC 2	Shell Gadus S3 V220C 2
	Swing Bearing & Gear			
	Blade & Attachment			
	Steering System			
	Wheel Hubs			
	Centralized Lubrication Systems	Shell Gadus S2 V220 00		

COMPROMISED RELIABILITY MEANS INCREASED COSTS

PRODUCT REQUIREMENTS

Mechanical Stability

Resist breakdown, softening and subsequent leakage under shock loads for less grease consumption

Oxidation Stability

No hardening or forming of deposits at high operating temperatures for increased system efficiency

Water Washout Resistance

Good adhesion properties to keep the grease where it is needed for excellent corrosion protection

Wear Protection

Protect metal surfaces & keep them apart under high loads to prolong machine life

Long Grease Life

Reduce maintenance costs, increase machine availability & reduce unplanned equipment downtime





OEM Approvals

Meeting the requirements & specifications of major OEMs

SELECTING THE RIGHT GREASE IS THE CRITICAL FIRST STEP IN IMPROVING YOUR PRODUCTIVITY AND REALIZING SIGNIFICANT TOTAL COST OF OWNERSHIP COST SAVINGS

TECHNOLOGY

Shell Gadus S1 V160 2

-  ■ General Lubrication in non-demanding applications
-  ■ Lithium
-  ■ Mineral Base Oil
-  ■ Reliable wear protection

Shell Gadus S2 V220 2

-  ■ High Performance Multi Purpose Extreme Pressure Grease
-  ■ Lithium
-  ■ High Viscosity Index Mineral Oil
-  ■ Extreme Pressure Additives for high loads

Shell Gadus S2 V220AC 2

-  ■ High Performance Multi Purpose Grease
-  ■ Red Lithium Calcium
-  ■ High Viscosity Index Mineral Oil
-  ■ Extreme Pressure Additives for high loads
-  ■ Anti-Wear, Anti-Oxidation, Anti-Corrosion & Adhesion Additives

Shell Gadus S2 V220AD 2

-  ■ High Performance Multi Purpose Grease Red Lithium Calcium
-  ■ Lithium Calcium
-  ■ High Viscosity Index Mineral Oil
-  ■ Extreme Pressure, Anti-Wear, Anti-Oxidation, Anti-Corrosion & Adhesion Additives
-  ■ Shock Loads, Vibrations & Wet Working Conditions

Shell Gadus S3 V220C 2

-  ■ Premium Multi Purpose Extreme Pressure Grease
-  ■ Red Lithium Complex
-  ■ High Viscosity Index Mineral Oil
-  ■ Extreme Pressure, Anti-Wear, Anti-Oxidation & Anti-Corrosion Additives
-  ■ High Operating Temperatures

Shell Gadus S3 V460D 2

-  ■ Premium Multi Purpose Heavy Duty Grease with Solids
-  ■ Lithium Complex
-  ■ High Viscosity Index Mineral Oil
-  ■ Extreme Pressure, Anti-Wear, Anti-Oxidation, Anti-Corrosion Additives
-  ■ High Operating Temperatures
-  ■ Shock Loads, Vibrations & Wet Working Conditions

ALL SHELL GADUS GREASES ARE MANUFACTURED IN A HIGHLY CONTROLLED & SYSTEMATIC WAY TO ENSURE THAT EVERY BATCH YOU RECEIVE GIVES YOU THE SAME HIGH PERFORMANCE LEVELS

TRUST



\$50.000

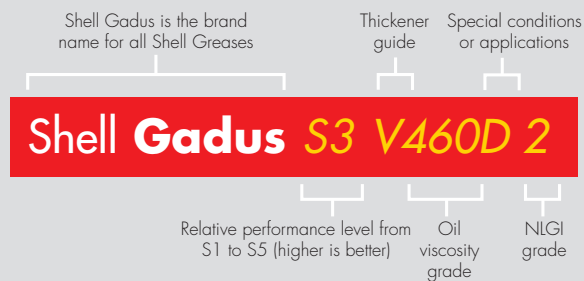


Cost savings reported by a customer who was experiencing significant bucket pin wear & increased grease consumption in its excavators. By changing to Shell Gadus S2 V220AD 2, the company was able to significantly decrease grease consumption from 24t/a to 3t/a and reduce service costs and downtime due to less frequent lubrication.

The savings indicated are specific to the calculation date and mentioned site. These calculations may vary from site to site and from time to time, depending on, for example, the application, the operating conditions, the current products being used, the condition of the equipment and the maintenance practices.

Shell Gadus greases have names based on four key properties critical when selecting the right grease for your application:

- Thickener type
- Oil viscosity
- Operating conditions and application
- NLGI grease (consistency)



KEY LETTERS USED:

- A** = Wet (aqueous) conditions
- C** = Coloured grease
- D** = Contains solids, suitable for Shock-load conditions
- OG** = Open gear
- Q** = Noise-dampening (quiet) applications
- T** = Extreme-temperatures applications, polyurea thickener
- V** = Versatile, lithium, lithium calcium or lithium complex thicken

For more information please contact:

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SHELL LUBRICANTS
TOGETHER ANYTHING IS POSSIBLE

To find out how we can help you, go to **shell.com/lubricants**