

Shell Gadus®

Premium Multipurpose Heavy Duty Grease with Solids

S3 V460D

- Heavy-duty protection
- High temperature
- Lithium complex



DESIGNED TO MEET CHALLENGES™

Every part of your machine or process has been meticulously engineered, so you want to use a lubricant that has been designed to ensure that your equipment is well protected and works efficiently.

The Shell Gadus® multipurpose heavy duty greases have been developed to enable equipment operators to select the grease that will deliver optimum value to their operations through:

- **wear protection**
- **long grease life**
- **system efficiency**



Performance at a glance

	Protection	Grease life	System efficiency
Shell Gadus® S3 V460D			
■ Heavy-duty protection	✓✓✓✓✓	✓✓✓✓	✓✓✓✓
■ High temperature			
■ Lithium complex			

Performance level is a relative indication only.

A PREMIUM, HEAVY-DUTY, HIGH-TEMPERATURE, EP MULTIPURPOSE GREASE WITH SHOCK-LOAD RESISTANCE

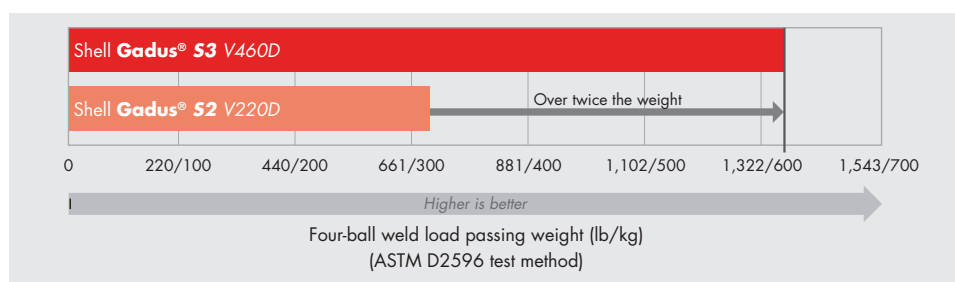
Shell Gadus S3 V460D is a premium, heavy-duty, high-temperature, full extreme-pressure (EP) multipurpose grease and contains solids (3% molybdenum disulphide) for shock-load resistance. It is a lithium-complex grease that you can rely on to provide excellent wear protection and long bearing life for your slow-moving, heavily loaded bearings and linkages operating at high temperatures and subjected to shock loads. Shell Gadus S3 V460D also has excellent mechanical stability in the presence of water to keep the grease where it is needed. It is widely recognized and listed by leading equipment manufacturers.

DESIGNED TO PROTECT

Protecting equipment from wear can help to increase service life. Shell Gadus S3 V460D, which contains 3% molybdenum disulphide, provides:

- **excellent protection for EP bearings**, as it passes the four-ball weld load test at 705 lb/620 kg (ASTM D 2596 test method), which is more than twice the pass weight of Shell Gadus S2 V220D and far exceeds the 551 lb/250 kg minimum weld load that a grease must pass to be classified as having good load-carrying properties (ISO 6743-9)

- **good corrosion protection**, as it achieves a rating of 3 in synthetic-seawater bearing-corrosion tests (IP 220/ASTM D6138) in which a rating of 0 represents no visible corrosion and a rating of 5 indicates more than 10% corrosion



DESIGNED FOR LONG GREASE LIFE

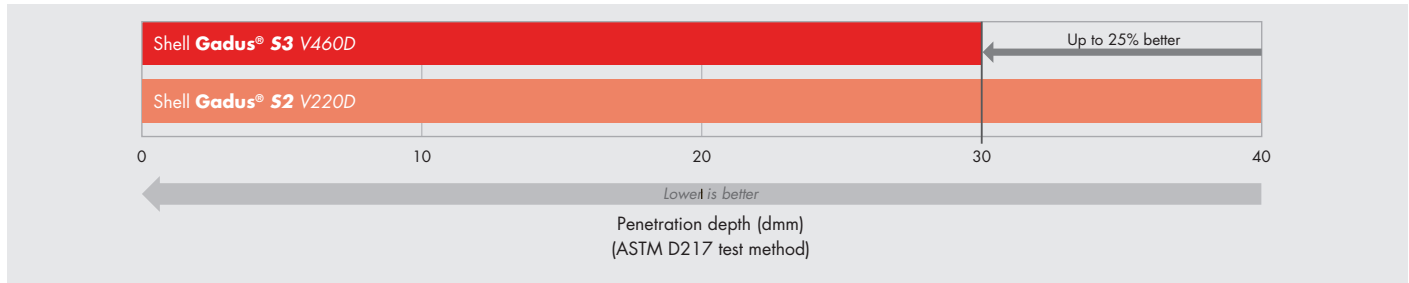
The longer your grease lasts, the longer your bearings last. Shell Gadus S3 V460D is designed to help you to operate your equipment for longer. It offers:

- **excellent resistance to water washout**, as it has less than 10% washout after 1 hour at 174°F/79°C in the ASTM D1264 water-washout test, which places it in the best performance category defined in DIN 51807-2

DESIGNED FOR SYSTEM EFFICIENCY

By keeping its mechanical stability, a grease can go on working as intended in your equipment, so that the machine continues performing at its design specifications. Shell Gadus S3 V460D has:

- **up to 25% better mechanical stability in the presence of water** than Shell Gadus S2 V220D, as there is less than a 30-dmm change in consistency after 100,000 work strokes at 77°F/25°C (ASTM D217 test method)



APPROVALS, LISTINGS AND SPECIFICATIONS

Shell Gadus S3 V460D and Shell Gadus S3 V460XD meet the requirements of a wide range of industry bodies and equipment manufacturers. They are available in NLGI grades 1 and 2.

Approvals	Meets requirements	Listings
Shell Gadus S3 V460D		
Bucyrus International CMI FPE Ltd Gebr. Pfeiffer perma Schmierysteme Rothe Erde SMS Meer Voith	Caterpillar Liebherr P&H Mining Equipment	BE (certified) Bucyrus International CMI Groupe Dieffenbacher Gebr. Pfeiffer Hitachi Konecranes Komatsu Mining
Shell Gadus S3 V460XD		
	Caterpillar P&H Mining Equipment	BE (certified)

REAL-WORLD VALUE DELIVERY

Many customers around the world are benefiting from switching to Shell Gadus S3 V460D. For instance, customers are:

- extending bearing and grease life
- reducing maintenance costs
- increasing equipment availability

FULL PRODUCT AND SERVICE PORTFOLIO

Whatever your needs or application, we can provide a full range of oils and greases, including synthetic, high-performance products and additional services.

APPLICATIONS



High temperature and EP – suitable for slow-moving bearings subjected to high operating temperatures in heavy industries such as steel and mining

Shock-load resistant – suitable for slow-moving bearings such as those found in mining, construction and agricultural equipment, including dump trucks, excavators, shovels, draglines and bulldozers, and for suspension pins and bushings

Suitable for sliding surface applications such as fifth wheels

For more information, please contact your Shell Lubricants representative

shell.ca/lubricants

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