



IPM CONSTRUCTION REDUCES BEARING FAILURES BY UPGRADING TO SHELL GADUS S3 V220C 3

TOTAL REPORTED ANNUAL CUSTOMER SAVING

US\$63,150



COMPANY: IPM Construction

COUNTRY: Philippines

APPLICATION: Wheel bearings

SAVING: US\$63,150 total reported annual customer saving

KEY EDGE: Shell Gadus S3 V220C 3, Shell LubeCoach



IPM Construction company in the Philippines wanted to upgrade the grease it was using for the wheel bearings of its dumper trucks, as it was experiencing premature degradation of the grease. The grease was leaking from the bearings just two weeks after greasing, which was causing bearing failure.

Shell technical experts recommended that the company change its wheel-bearing lubricant to Shell Gadus S3 V220C 3* and take advantage of the Shell LubeCoach lubrication training programme. Shell and the customer carried out trials on the new lubricant for more than six months, during which time the mechanics and drivers reported that Shell Gadus S3 V220C 3 performed well. There were no further grease leaks and fewer wheel-bearing failures.

Since upgrading to Shell Gadus S3 V220C 3, IPM Construction has fewer breakdowns, downtime due to greasing has been reduced by around 92%, the greasing interval has been extended and parts replacement is significantly less frequent. As a result, the company has reported annual savings of US\$63,150.

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*Shell Gadus S3 V220C 3 is the new name for the Shell lubricant formerly known as Shell Retinax LX3

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CHALLENGE

IPM Construction company in the Philippines was experiencing premature degradation of the grease in its dumper truck wheel bearings. The grease was leaking from the bearings just two weeks after greasing, which was causing bearing failure.

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SOLUTION

Shell technical experts recommended that the company upgrade its wheel-bearing lubricant to Shell Gadus S3 V220C 3 and take advantage of the Shell LubeCoach lubrication training programme.

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OUTCOME

Since upgrading to Shell Gadus S3 V220C 3, the company has fewer breakdowns, downtime due to greasing has been reduced by around 92%, the greasing interval has been extended and parts replacement is significantly less frequent.

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VALUE

Through fewer breakdowns, less downtime and an extended greasing interval, the company has reported an annual saving of US\$63,150¹.

¹The 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, for example, on the application, the operating conditions, the current products being used, the condition of the equipment and the maintenance practices.

**SHELL GADUS S3 V220C 3**

PREMIUM, EXTREME-PRESSURE MULTIPURPOSE GREASE

Shell Gadus S3 V220C 3 is a premium, extreme-pressure multipurpose grease based on a high-viscosity-index mineral oil and a lithium complex soap thickener. It contains the latest additives to offer excellent high-temperature anti-oxidation performance and to enhance its anti-wear and anti-corrosion properties.

**Product classification and specifications**

Shell Gadus S3 V220C 3 meets ASTM D4950-07 GC-LB.

Complementary products

Equipment	Lubricants
Diesel engine oils	Shell Rimula
Hydraulic oils	Shell Tellus
Transmission and gear oils	Shell Spirax

Applications

Shell Gadus S3 V220C 3 is especially suitable for bearings operating at high temperatures and under load.

Performance features and benefits

- Excellent mechanical stability under vibrating conditions. The grease's consistency is retained over long periods, even in conditions of severe vibration.
- Enhanced extreme-pressure properties. Shell Gadus S3 V220C 3 has excellent load-carrying performance.
- Good water resistance. Shell Gadus S3 V220C 3 helps to ensure lasting protection, even in the presence of large volumes of water.
- High dropping point
- Long operational life at high temperatures
- Effective corrosion protection. Shell Gadus S3 V220C 3 helps to prevent corrosion of bearings or other components.