

# ENGINE MANUFACTURER EXTENDED COMPONENT LIFE WITH SHELL GADUS S5 V220 2

TOTAL ESTIMATED ANNUAL  
CUSTOMER SAVING

**US\$114,000**

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**SHELL LUBRICANTS**  
TOGETHER ANYTHING IS POSSIBLE



- COMPANY:** Engine Manufacturer
- LOCATION:** South Eastern, USA
- APPLICATION:** Spline Coupling
- KEY EDGE:** Shell Gadus S5 V220 2

# 4x

**EXTENDED SPLINE  
COUPLING LIFE**

# Shell GADUS

## CHALLENGE

An Engine Manufacturer that was utilizing an aerosol lubricated high speed spline coupling to connect engines to a dynamometer required to perform final testing after assembly, discovered that they were experiencing a high rate of coupling failures resulting in decreased availability of the dynamometer and increased maintenance costs.

## SOLUTION

After a complete review of the application, Shell's Lubricant Technical Advisor recommended that the Engine Manufacturer converted to Shell Gadus S5 V220 2, a synthetic grease that offers strong protection against wear, corrosion and extreme pressure properties.

## OUTCOME

Since switching to Shell Gadus S5 V220 2, the customer has extended the life of the spline couplings by 4x, resulting in a 75% reduction in failures.

## VALUE

By extending the life of the spline couplings connected to the dynamometer, the Engine Manufacturer has benefited from a reduction in spline coupling procurement costs. The company **has reported a total annual savings of US\$114,000.**



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.