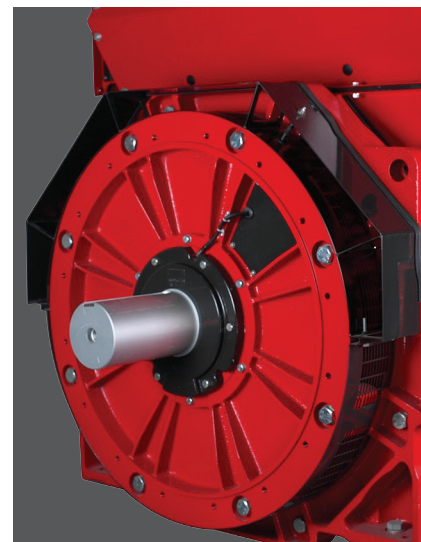
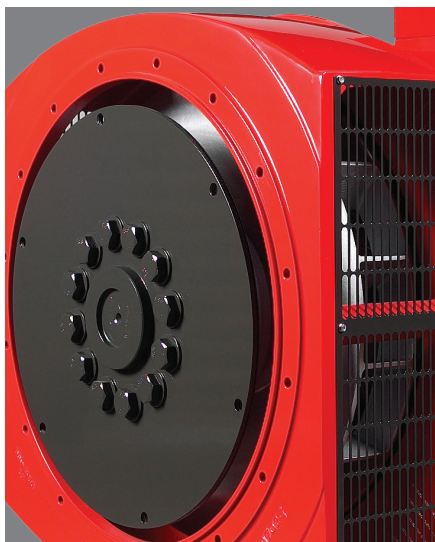
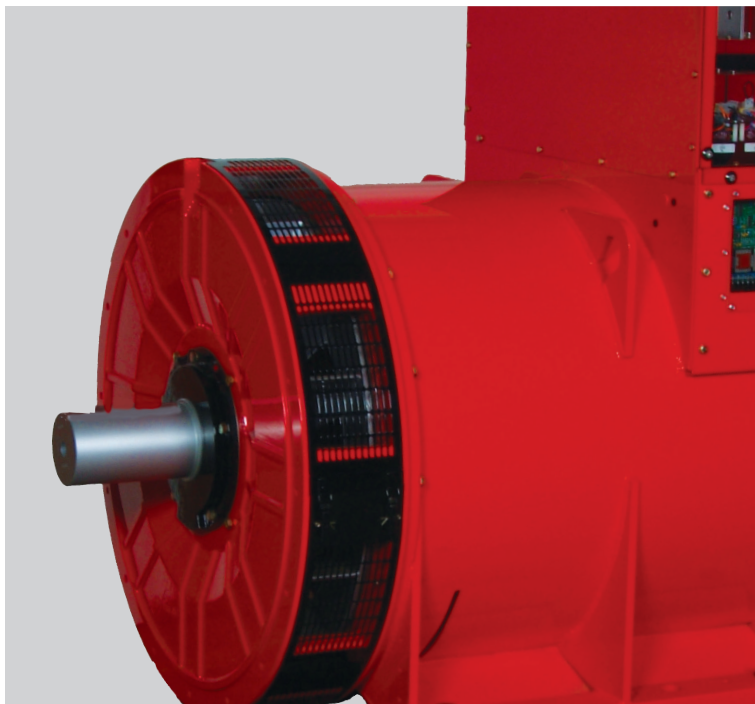



STAMFORD
AvK



**Generator
Technologies**

Stamford Genuine Parts Grease





Every part of the Stamford alternator is designed and manufactured to provide the optimized performance of its application matched operational life. Every part is crucial and important for the smooth operation of your alternator and ensures that your Generator is available when needed.

In due course of operating life, there are inevitable parts which may need replacement as a planned maintenance requirement or in time of failure.

Bearings Basic Design intent:

Bearings are designed and manufactured to the specifications required, taking into consideration the basic application parameters such as speed, load, operating temperature & lubrication capability requirements, to define an operational life (number of hours to change).

Sealed for Life Bearings:

Where bearings are of the “Sealed for life” design type, then there is no requirement to re-lubricate throughout the alternators operational life. Where bearings are of the “Sealed for life” design type, then there is no requirement to re-lubricate throughout the alternators operational life. However, the period of operation in terms of actual running hours needs to be considered. To ensure trouble free operations, CGT recommends to adhere to its bearing replacement and maintenance schedule.

Re-greasable Bearings:

Re-greasable bearings are designed with bearing mounting components which have cavities that act as reservoirs which hold operational grease in the correct position to allow that grease to be added into the lubrication cycle throughout the operational periods. This means that lubrication of the rolling elements and contact surfaces can be topped up at regular intervals over the life of the bearing. Of course the used excess grease, is designed

to be expelled by the bearing mounting system, and so it is important that used grease exhaust ports remain useable and unblocked.

Using the correct grease type is extremely important.

Grease miscibility is critical to delivering appropriate lubrication capability to the rolling elements and contact surfaces. If the grease used is not of the correct type, is not compatible with the grease installed by the factory, or is contaminated when introduced, then the lubrication capacity will be significantly reduced and the bearings may suffer early life failure.

Operational temperatures, bearing types, rotation speeds, loads, and environmental



Note: Picture is indicative only. Actual kit may vary based on Alternator Model

effects all play a part in choosing the correct lubricant. After significant research and testing, CGT uses and recommends the use of Genuine Grease cartridges from STAMFORD only.

Any grease added to re-greasable bearings must be of the recommended type / specification and should be within usable shelf life date. Grease chemistry is tightly controlled to ensure that the oil and soap constituents remain in a usable state for the life of the grease. However, grease is designed to leach oil over time, and so ensuring that any grease added to CGT alternator re-greasable bearings is within its useable shelf life date, is very important. Grease outside of its usable life date may already have lost too much oil to provide the required lubrication characteristics, and so using this may lead to early life failure of the bearing system.

Regular re-greasing according to maintenance schedules is necessary. Re-greasable bearings are fitted with greasing pipes for the purpose of replacing the grease at a specified interval.

Stamford offers grease cartridges with correct



Note: Picture is indicative only. Actual kit may vary based on Alternator Model

amount of grease to avoid contamination due to touch/contact with grease during re-greasing process, and are able to supply grease delivery systems (metered grease guns) to optimize re-greasing processes, and minimize the risk of contamination.

Function in your Alternator:

The function of Grease is to maintain adequate film strength that can support loads between rolling element and contact surfaces, to minimise friction. In addition, the following properties are required to support operational life:

- Stable structure that provides for long service life
- Non-Corrosive and compatible with adjacent components
- Provides a barrier against contaminant and moisture
- Maintains a stable viscosity over a broad range of temperatures which the alternator is designed for

Maintenance recommendation:

CGT recommends to adhere the maintenance schedule mentioned in Service and Maintenance section in the respective Owner manual.

Failure to follow lubrication guidelines can result in grease scarcity, grease hardening, grease breakdown, and grease oxidation. The effects on the bearing include excessive wear, overheating, and eventual failure, which may lead progressive damage to other parts of the alternator resulting into long down time and increased cost of ownership.

What if you use non genuine Grease?

Premature failure is generally caused by insufficient lubrication, unsuitable lubrication or aged lubrication. It is important not to mix different types of grease and use only Stamford recommended Grease in recommended quantities only.

Always insist on Stamford genuine parts:

When you use genuine Stamford Parts and assemblies, you get years of trouble free operation. Most importantly, you get peace of mind. Only Stamford knows what a Stamford Alternator needs. With Stamford nationwide network, you are never far from a Stamford Service Center. Stamford offers each customer a unique value package comprising product,

information and support. Working round the clock, around the country, Stamford's strong network is supported by committed and dedicated professionals.

So next time your Stamford Alternator needs parts replacement, use only Genuine Stamford Parts. They are easily available whenever and wherever you need them, just a call away.

For parts and service, contact the Authorized Service Providers of Stamford Generator Technologies or CGT parts department.

You may send your enquires on:
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