



Premium Engine Solutions
BECAUSE DOWNTIME IS NOT AN OPTION.

SEALED POWER® A590 ALUMINUM BEARINGS **Proprietary A-Series Material**

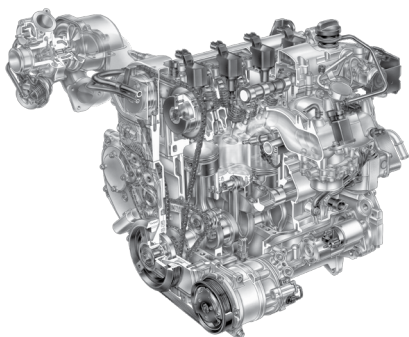
Today's smaller, high-output engines require bearings to be smaller and stronger. The reduced surface area of these engine bearings must be able to withstand the extreme heat and load generated by higher horsepower. It is for these exact challenges that Sealed Power® proprietary A-Series A590 aluminum engine bearings are engineered. Their advanced design and metallurgy make them the perfect solution for late-model engines.

ADVANCED A590 ALLOY

The heart of these engine bearings is the A590 A-Series material. This lead-free alloy is both greener and – with its increased silicon content – stronger. Its fatigue rating and its surface hardness provide improved wear resistance.

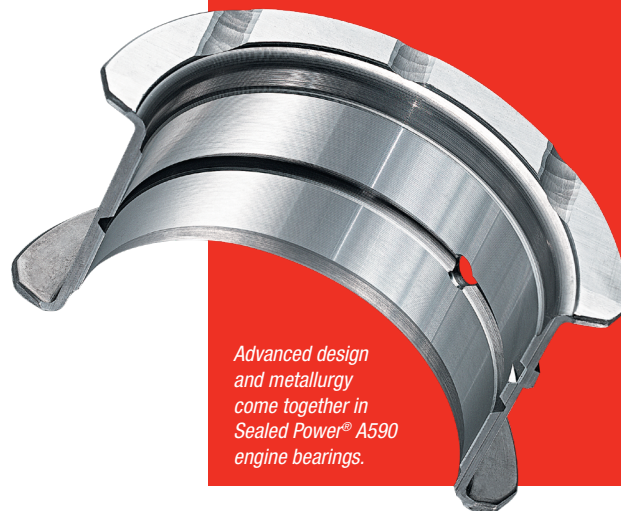
- Superior fatigue rating and seizure resistance
- Preferred material for late-model applications
- Ideal for forged steel crankshafts
- Lead-free and environmentally friendly
- Silicon particles “polish” any imperfections from NCI crankshafts

TIGHTER TOLERANCES



While increasingly tight tolerances mean higher engine efficiency, they also mean a drastically reduced oil film thickness on the bearing surface. Less oil clearance means the bearing has to be able to handle the added stress and heat. The Sealed Power A590 engine

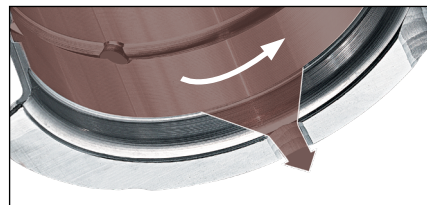
bearing material and lubrication design accommodate this. The alloy's inherent strength stands up to stress, while the exclusive Ramp and Flat™ profile, $\frac{3}{4}$ groove and bored design reduce wear and extend bearing life.



Advanced design and metallurgy come together in Sealed Power® A590 engine bearings.

BORED DESIGN

Sealed Power A590 bearings utilize a proprietary design for removing – rather than embedding – contaminants such as the tiny nodules that could be smoothed off an NCI crankshaft. These and other contaminants settle into tiny “micro-grooves” machined into the surface ID, where they are flushed away by the flow of oil.



“Micro-grooves” capture and flush away debris.

MAIN AND CONNECTION ROD SETS

Sealed Power A590 main and connecting rod bearings are available for many applications.



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