

New EMD Water Pumps Improve Reliability, Reduce Leaks and Extend Operating life

Electro-Motive has extended its program of continuous product development with the redesign of water pumps for its 710 engine family. The new pumps draw upon the latest technologies, proven over years of testing and use in the most rugged industrial and engine cooling pump environments. These units are direct replacements for the pumps previously used, and install with the same gaskets and hardware.

The new EMD water pumps are used as standard equipment on all OEM new and remanufactured 710-series engines. In addition they are available as standalone new and UTEX™ parts to upgrade 645 and 710 engines already in service.

Improved Water Seal Design

- Reduced leakage by over 90%
- Increased abrasion and wear resistance.
- Excellent corrosion resistance.
- Superior thermal shock performance.

Increased Bearing Life

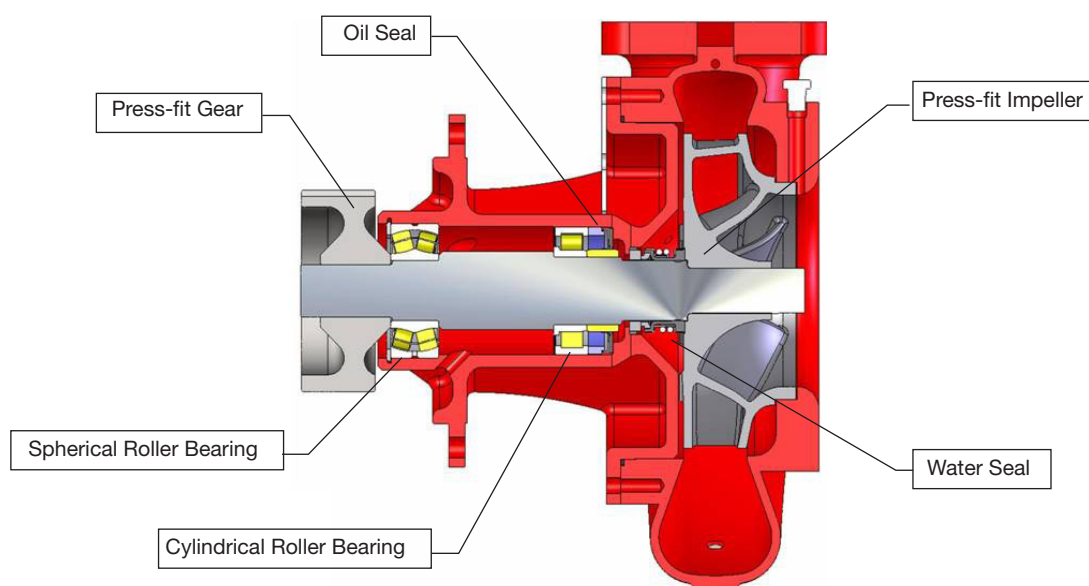
- Engine oil lubricated vs. sealed ball bearings.
- Spherical roller bearings.
- Controls axial shaft movement.
- Eliminates raceway brinnelling.

Improved Synthetic Oil Seal

- Protects against oil leaks.
- Prevents bearing contamination.
- Includes hardened collar to protect the pump shaft.

Press-Fit Impeller and Gear

- Precision machined components.
- No keyways; avoids stress concentration points.
- No threaded fasteners (nuts, keys & washers) to loosen on shaft or gear.



The EMD OEM Advantage

EMD replacement parts are the result of extensive development and testing in the same engineering facilities where new EMD engines are designed, built, and tested. This OEM focus ensures the same performance, reliability, and durability for which EMD engines are legendary.

- OEM fuel injectors are fully remanufactured to precise internal specs vs. partially rebuilt retrofits. This ensures sustained fuel economy and emissions performance over their full useful life and avoids the operating penalties and expense of non-compliance.
- Power Assemblies and all emissions critical components are the result of fully integrated OEM design vs. partial substitution of non-optimized third party components.
- Engines and critical subsystems are carefully calibrated to optimize performance, reduce emissions, and minimize fuel consumption.
- EMD emissions kits require no cumbersome catalyst retrofits which can suffer from excessive backpressure, ash fouling, and extreme temperatures.
- EMD has stood solidly behind its products since 1922. As the EPA certificate holder for its engines and kits, their in-use emission compliance and engine performance is covered by the EMD OEM factory warranty.