

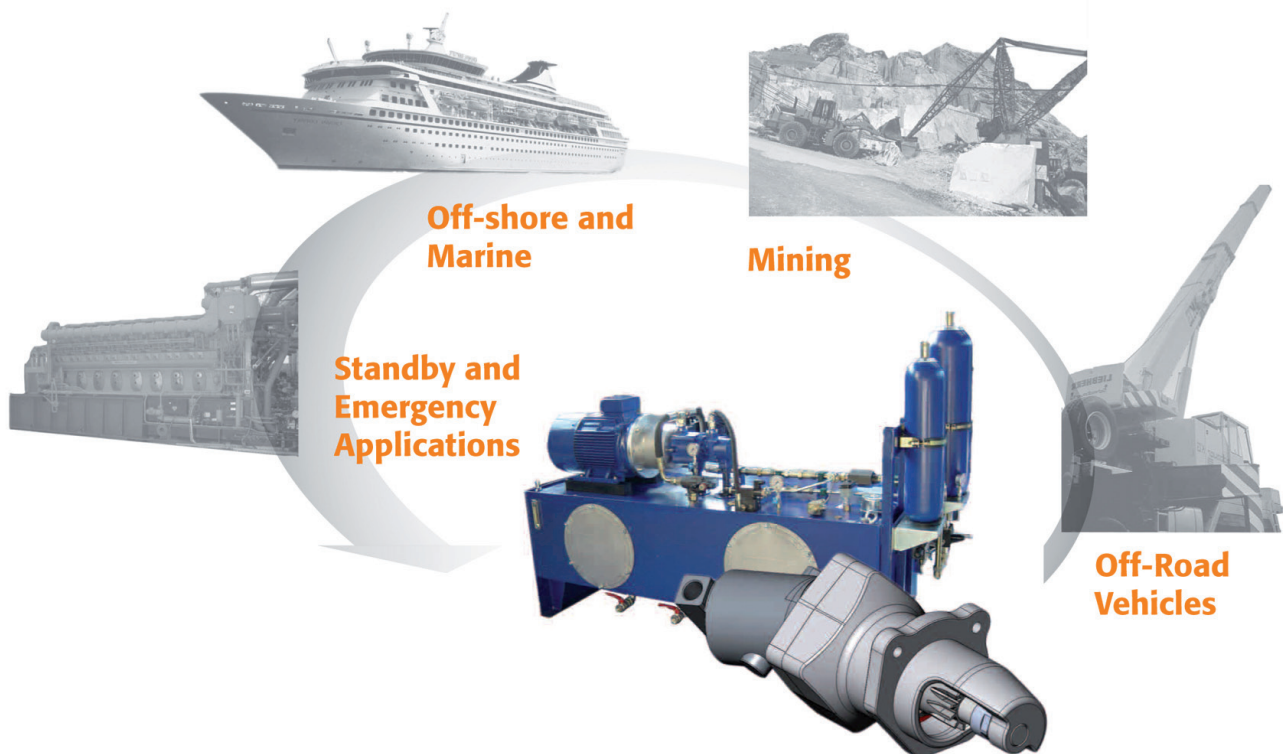
HEINZMANN Hydraulic Cranking Systems

Crank up your engine application with absolute reliability - anywhere at anytime!

Some engine applications require a safe or redundant and self-contained cranking system, either due to the importance of its operations, locations or environment situation.

- Emergency power generators
- Fire-fighting, cargo, irrigation pump applications
- Compressor applications (pipelines)
- Rescue vehicles and boats
- Black start systems for marine and military applications
- All kind of mobile or stationary applications operating in potential hazardous or explosive areas as off shore, mining, chemical industries etc.
- Remote located or seldom used applications
- Cold temperature operation down to -40 °C

In cooperation with Longday HEINZMANN has developed hydraulic powered cranking systems, which are designed to provide under harshest environment instant and reliable high crank speed for fast and secured start up of engine applications.



Hydraulic cranking systems in comparison to electrical or air starting systems are unrivalled in the field of cranking up an engine application in regard of reliability, instant torque and durability in demanding environment. It provides much higher torque, which is cranking up the application even at low temperature as -40°C . Nor flat battery or down electrical system will affect the hydraulic cranking systems operation.

The system accumulator stores hydraulic power for a long period of time and can be released immediately at request to power the hydraulic cranking motor for start attempts. The hydraulic power itself comes from either a direct engine, or electrically or an air driven pump. For redundancy, each system is equipped in addition with a manual charging hand pump, which is simultaneously, the simplest system assembling.

The systems have a modular design to meet each customer's demands and are supplied fully assembled and tested. Furthermore, the hydraulic cranking motors can also be implemented into existing applications closed loop systems.

Due to the high user friendliness, reliability and economy of our cranking systems plus our worldwide service network we are a distinctive supplier in the market for hydraulic cranking systems.

HEINZMANN (www.heinzmann.com)

Founded in 1897, HEINZMANN is one of the leading system suppliers worldwide for engine and turbine management solutions. We produce mechanical and electronic speed control systems for diesel, gas and dual fuel engines as well as for turbines.

The product range includes mechanical, electrical and hydraulic actuators, analogue and digital control units, electronic fuel injection controls and complete common rail systems. We are experts in air fuel ratio, dual fuel and generator management systems. Our solutions are complemented by remote communication and visualisation tools.

Latest developments are components for engine emission management solutions for diesel engines and our hybrid drive for diesel, gas and gasoline driven off-road vehicles. Our products are used in marine, rail, off-road or genset applications.

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