

ENGINE COOLANT TEST TANK

HMD Revives Testing Equipment

CHALLENGE

HMD partnered with OK Foundry when a research and development firm was looking to build test equipment to fulfill their defense contract. In order to properly conduct testing on an armored vehicle's engine cooling system, specific test procedures and equipment had to be used. The problem? A single-page, 40 year old hand drawing was the only information the research company had describing the test tank that we needed to manufacture.



OUTCOME

From a 40 year old hand drawn print, HMD worked with our industry contacts through casting, machining, and assembly to deliver our customer a finished product which they used successfully to complete their testing.

To learn more about O.K. Foundry Company, Inc., visit okfoundry.com.



SOLUTION

HMD first translated the drawing given to us by the customer into 3D SolidWorks models. We then created modern as-cast drawings, accounting for shrinkage of the material, and as-machined drawings. We then worked with OK Foundry to design and create 3D printed sand molds for casting. After casting, a local machine shop performed the final machining.



For more information please visit www.hmd-llc.com
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