

PROJECT SPOTLIGHT

Red River Army Depot HMPT Cross Drive Test Stand



Mustang Advanced Engineering (MAE) announced that the company has finished the installation of a diesel engine driven, electric motor loaded, Hydro Mechanical Power Train (HMPT) transmission dynamometer test stand at the Red River Army Depot (RRAD). The project included turn-key installation, commissioning, testing, and training for the test stand and self-contained closed loop liquid cooling system capable of testing the HMPT-500-3ECB and HMPT-800 transmissions. The test stand is located at RRAD building M376A located in Texarkana, Texas 75505.

This project also included the construction of an attached steel awning with concrete pad to house the fuel storage tank for the diesel engine, the external heat radiating unit for the self-contained liquid cooling system, the dynamometer load units; engine fuel supply system, control and data acquisition systems; self-contained cooling systems for the engine, transmission, fuel, and load units, supplies and construction labor for the building addition; equipment, supplies, and manpower for the system installation, offloading, and unpacking of all equipment.

SNAPSHOT

Project: HMPT Crossdrive
Transmission Test Stand

Customer: Red River Army Depot

Where: Texarkana, Texas

Benefits: Turn-key test stand with closed
loop liquid cooling system
capable of testing the
HMPT-500-3ECB and
HMPT-800 transmissions



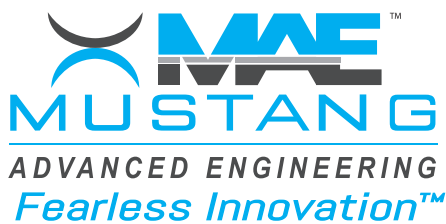
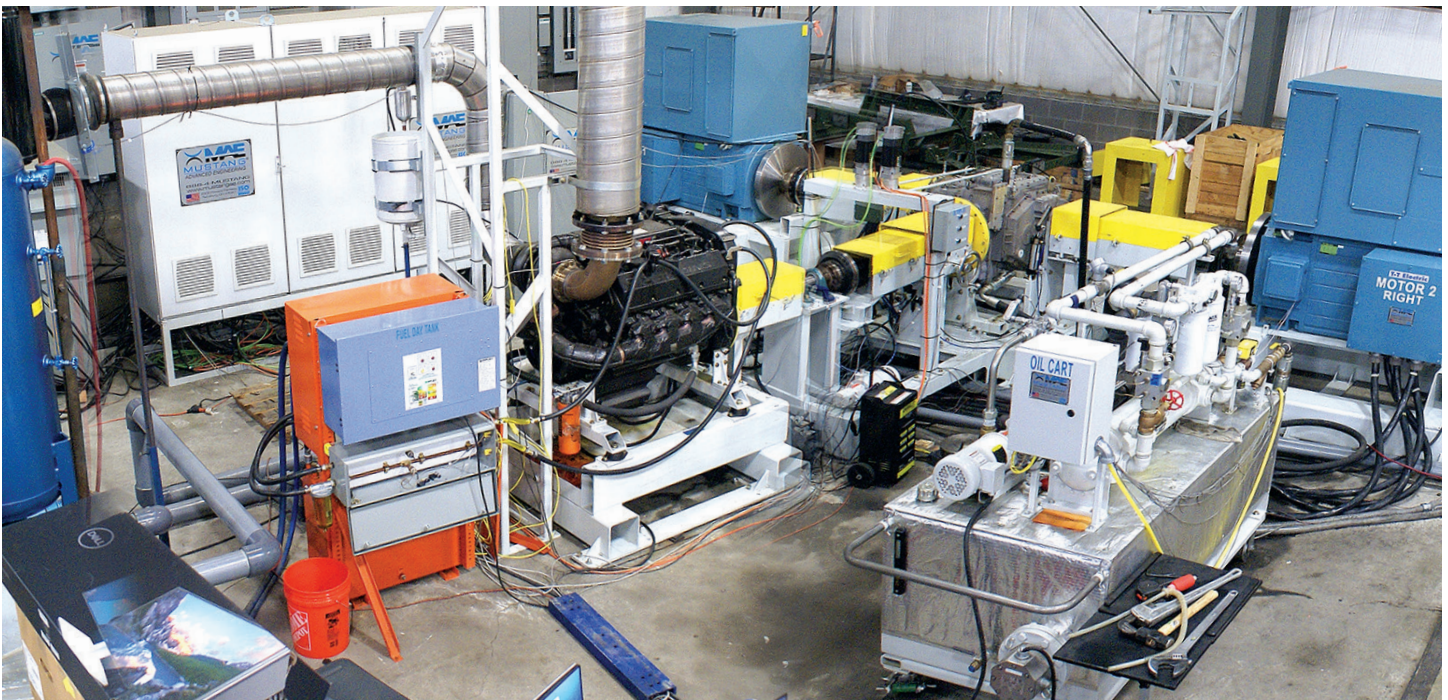
"This installation is another success for MAE and significantly enhances Red River's rebuilding/testing capabilities. The project showcases MAE's experience, quality and innovation."

- David Ganzhorn, V.P. Sales

The test stand provides testing of military cross drive type transmissions such as the Bradley Fighting Vehicle System (BFVS) transmission and Multiple Launch Rocket System (MLRS) transmission in accordance with the National Maintenance Work Requirements (NMWR's). The test stand provides input power to the test article using a Cummins VTA-903 675 HP diesel engine with independent electric motors loading the output drives of the test article, closely simulating in-vehicle real world operating conditions.

"This installation is another success for MAE and significantly enhances Red River's rebuilding/testing capabilities. The project showcases MAE's experience, quality and innovation.", said David Ganzhorn, VP Sales. "The entire MAE team takes great pride in supporting America's Warfighters".

Visit MustangAE.com or contact sales@MustangAE.com to find out more about Mustang Advanced Engineering and its line of transmission dynamometers and testing solutions.



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About MAE

Mustang Advanced Engineering is a leading supplier of advanced, custom engineered testing and measurement systems. Located in Twinsburg, Ohio since 1986, MAE delivers world-class testing solutions, custom design support, technical assistance, backed by a dedicated factory service team, making them a trusted source of expertise for the global industrial market. Visit MustangAE.com for more information. Follow them on Facebook, Twitter, LinkedIn, and Instagram.

