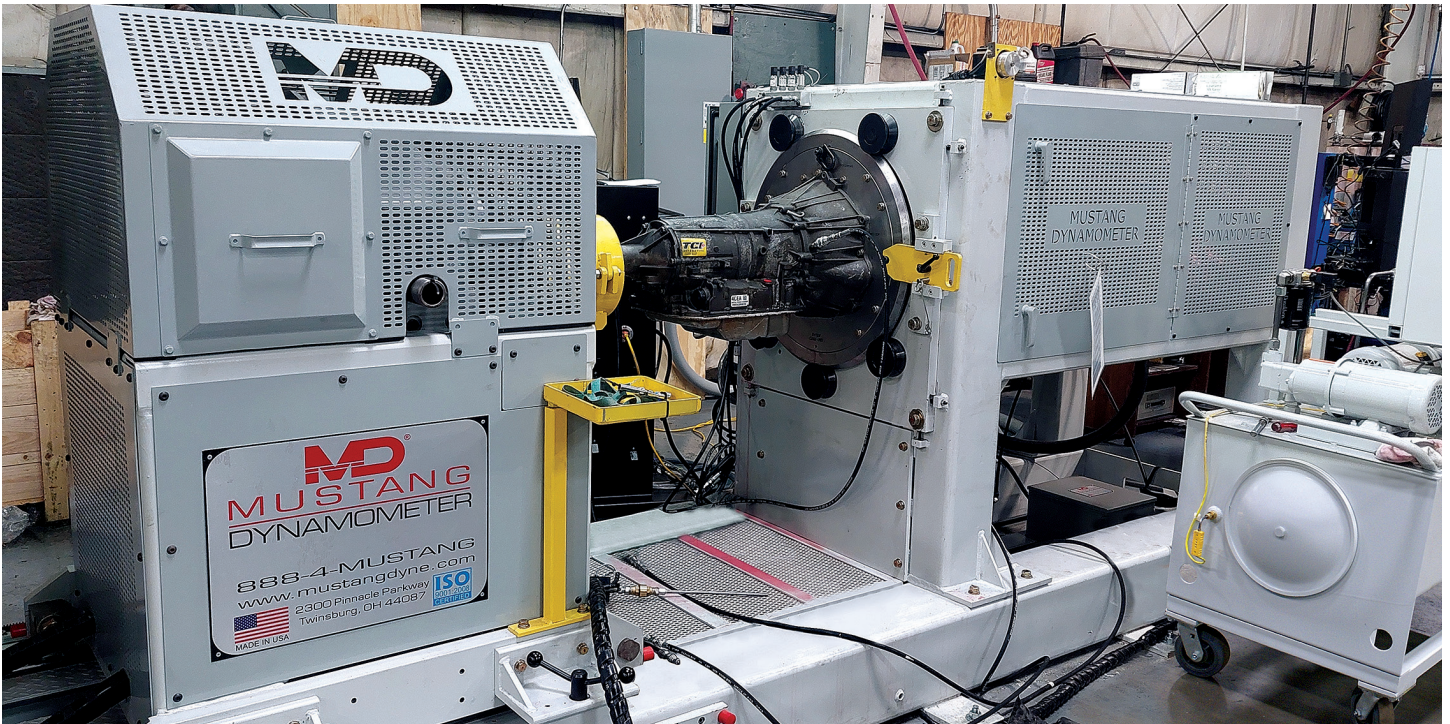


PROJECT SPOTLIGHT

Edelbrock 6-Speed, Heavy-Duty Transmission Dyno

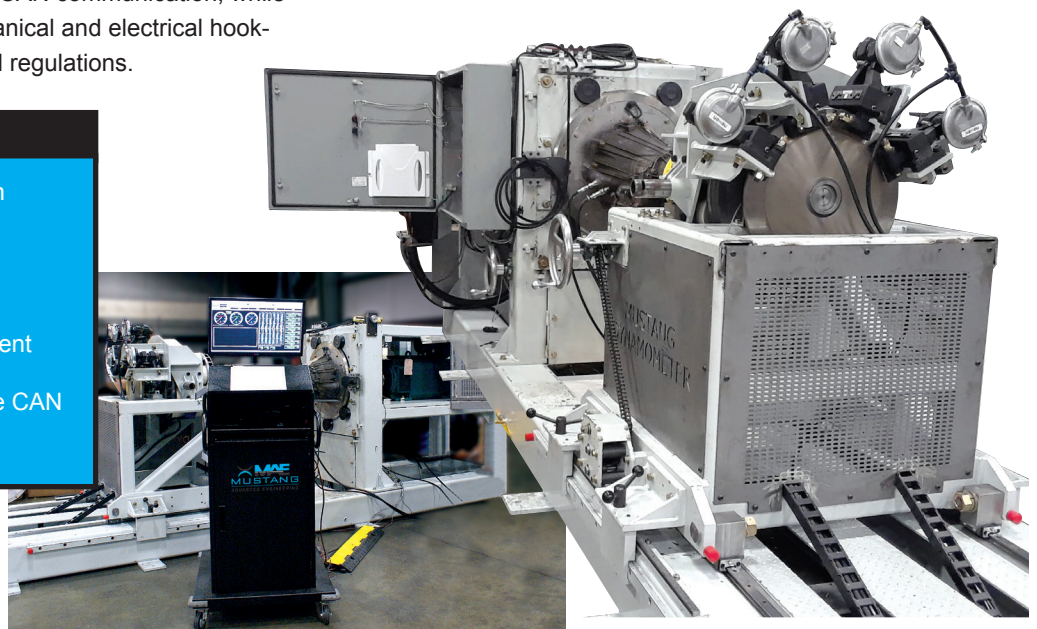


Mustang Advanced Engineering (MAE), an American manufacturer of quality, industry-leading, testing equipment, dynamometers and related products, recently delivered a heavy-duty transmission dynamometer for testing of large truck transmissions for their client, Edelbrock at their Cerritos, California facility. The state-of-the-art test cell was designed by MAE to efficiently accommodate the need to test repaired and refurbished transmissions by way of CAN communication, while meeting all required codes for mechanical and electrical hook-ups as established by state and local regulations.

The difference in this transmission dynamometer is the use of CAN communication. 'Controller area network' or 'CAN' is an electronic communication bus, developed in Germany in 1986 and defined by the ISO 11898 standards. Those standards define how communication happens within the transmission, signaling when and how the transmission shifts. Collectively, this system is referred to as a CAN bus.

SNAPSHOT

Project: Heavy-Duty transmission dynamometer
Customer: Edelbrock Performance
Where: Cerritos, California
Purpose: Research and development of 6-speed, heavy-duty transmissions, which use CAN communication



The system can perform a multitude of tests via CAN, including:

- Check shift points (automatic transmissions)
- Full throttle upshift test
- Downshift inhibitor test
- Check for abnormal noise and vibration
- Check transmission control system
- Closed throttle downshift test
- Leak check shaft seals and clutches
- Check main, clutch, and converter pressures
- Determine mechanical binding

“As a global leader in the design, manufacturing, and integration of transmission dynamometers, MAE’s advancement with CAN communication systems is available for testing all the world’s largest OEM transmissions. MAE has delivered and continues to support transmission testing systems in virtually every corner of the globe”

- David Ganzhorn, V.P. Sales



MAE’s new TESTCell™ automation and data acquisition software is used in the operation of the dynamometer



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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.

