

DRIVELINE VALIDATION TESTS

→ Military vehicles → Trucks → Construction vehicles

- ❑ Component test bench for dedicated qualification and / or endurance tests
- ❑ Performance and efficiency tests on complete driveline or vehicle
- ❑ Torque and speed measurements on all input and output component



		4 WD	Off-Road
Torque [Nm]	Continuous	20 000	80 000
	Peak	50 000	200 000
Speed [rpm]	Continuous	560	140
	Peak	670	170

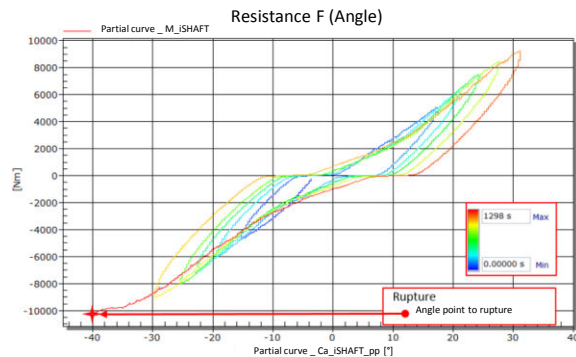
GREENMOT load machines capacities

ENDURANCE TEST

- ✓ From single components to complete driveline tests
- ✓ 4 loading machines with tandem outputs up to 8WD configurations
- ✓ Speed and torque measurements on all input and output component

BREAKING FATIGUE TEST

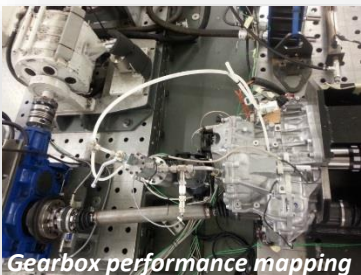
- ✓ Up to 25 000 Nm loading capacity
- ✓ Torque and rotational displacement measurements
- ✓ Different loading profiles : Constant – Ramp – Alternative



Example of alternative and incremental loading until breaking

EFFICIENCY MAPPING

- ✓ From component up to global driveline efficiency tests (realized on test benches or real driving conditions)
- ✓ Lubricant and cooling fluids regulation capacity
- ✓ GREENMOT solutions for specific integrated torque measurement on transmission parts (driveshaft, gearbox, flywheel, propeller shafts ...)



Feel free to visit our website www.greenmot.com and [contact us](#) for further information.

Applications

Performance – Emission – Combined load & climatic - Automatic testing
Energy flow mapping– Engine mapping – Vehicle application – Traction control