



DISC PADS



TESTING & EVALUATION

All PureForge Brake Kits include a 3 year / 100,000-Mile Limited Warranty

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Atomic-Forged Brake Testing



Independent Testing: LINK Engineering

SAE J2707 – Wear (results)
SAE J2522 – AK Master (results)
SAE J2784 – FMVSS 135
SAE J2928 – Rotor Crack Test
SAE J2521 – Noise

Independent Testing: LINK Engineering / Automotive Manufacturers Equipment Compliance Agency, Inc.

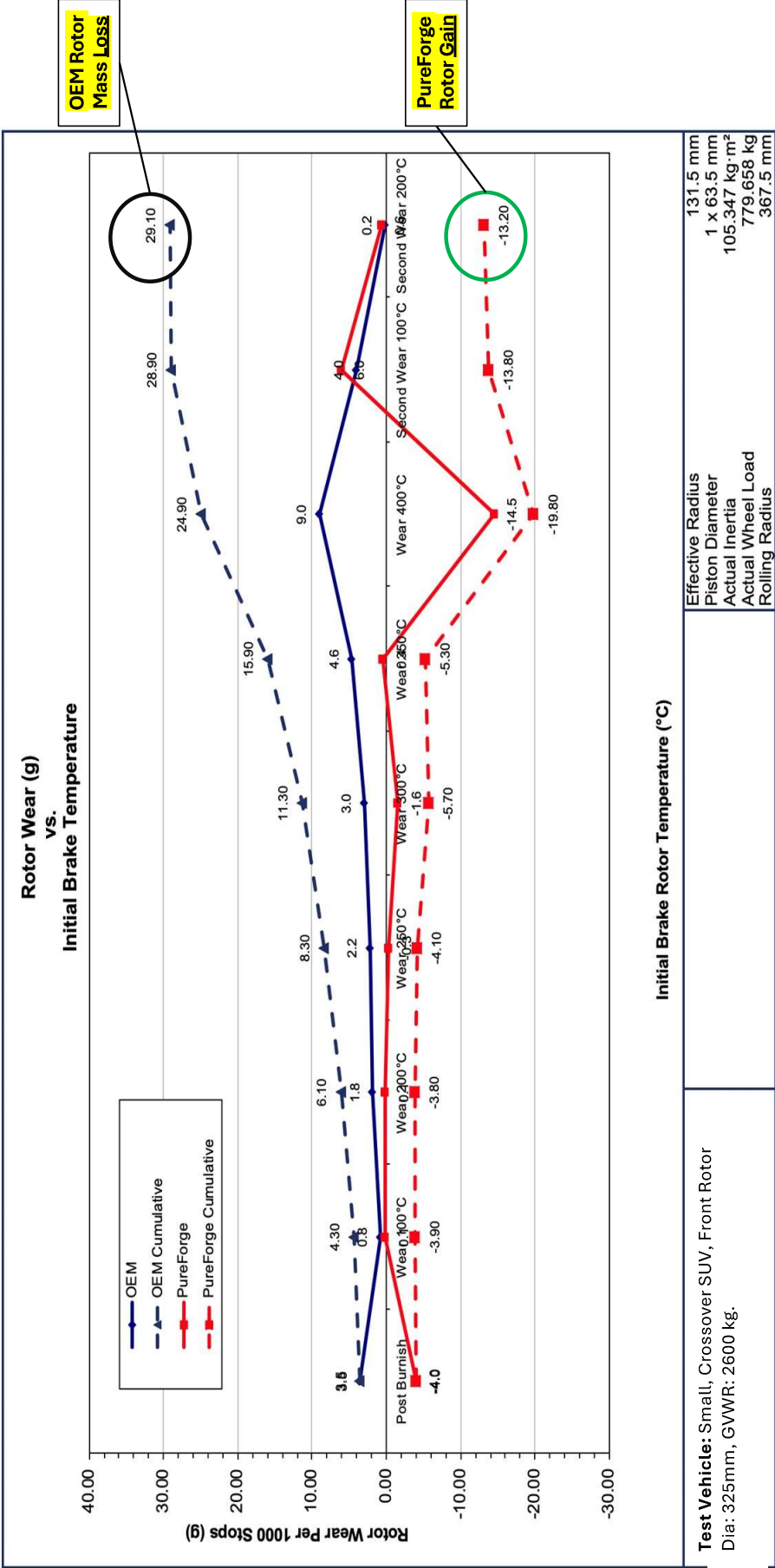
Police Declaration of Conformity: Brake Rotors, Pads, and Kits

SAE J2784 – FMVSS 135 - Performance
LINK USCT - Pad Wear
SAE J2521 – Squeal Noise Propensity
SAE J2928 – Rotor Crack Rotor Crack at High Temperature
ISO 26867 - Friction Behavior and Fade
SAEJ840 - Bonding Strength



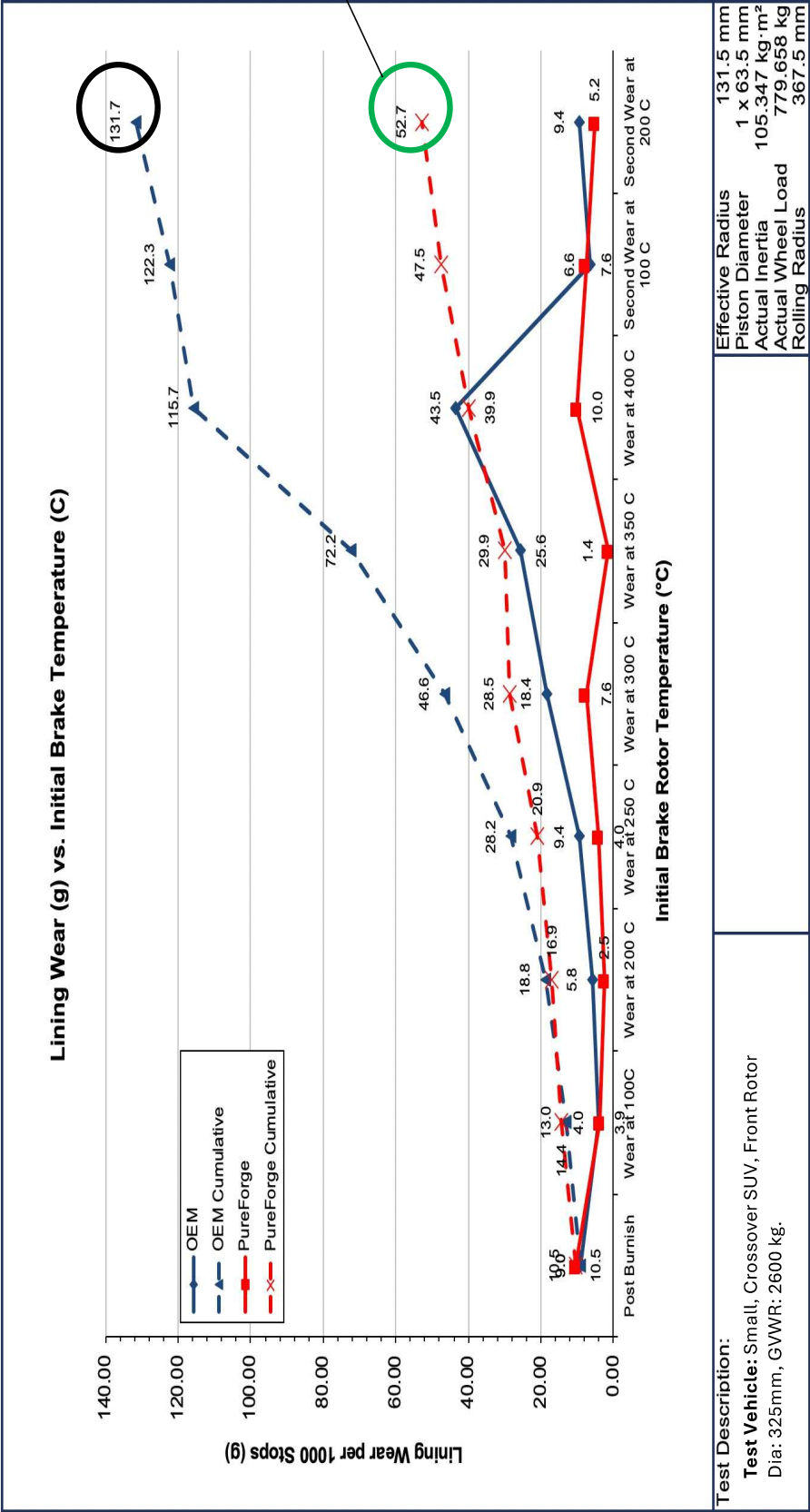
SAE J2707 – Rotor Wear vs Temperature

Observations: Atomic-Forged rotors gain mass/dimensions compared to the OEM rotor lose mass/dimension.



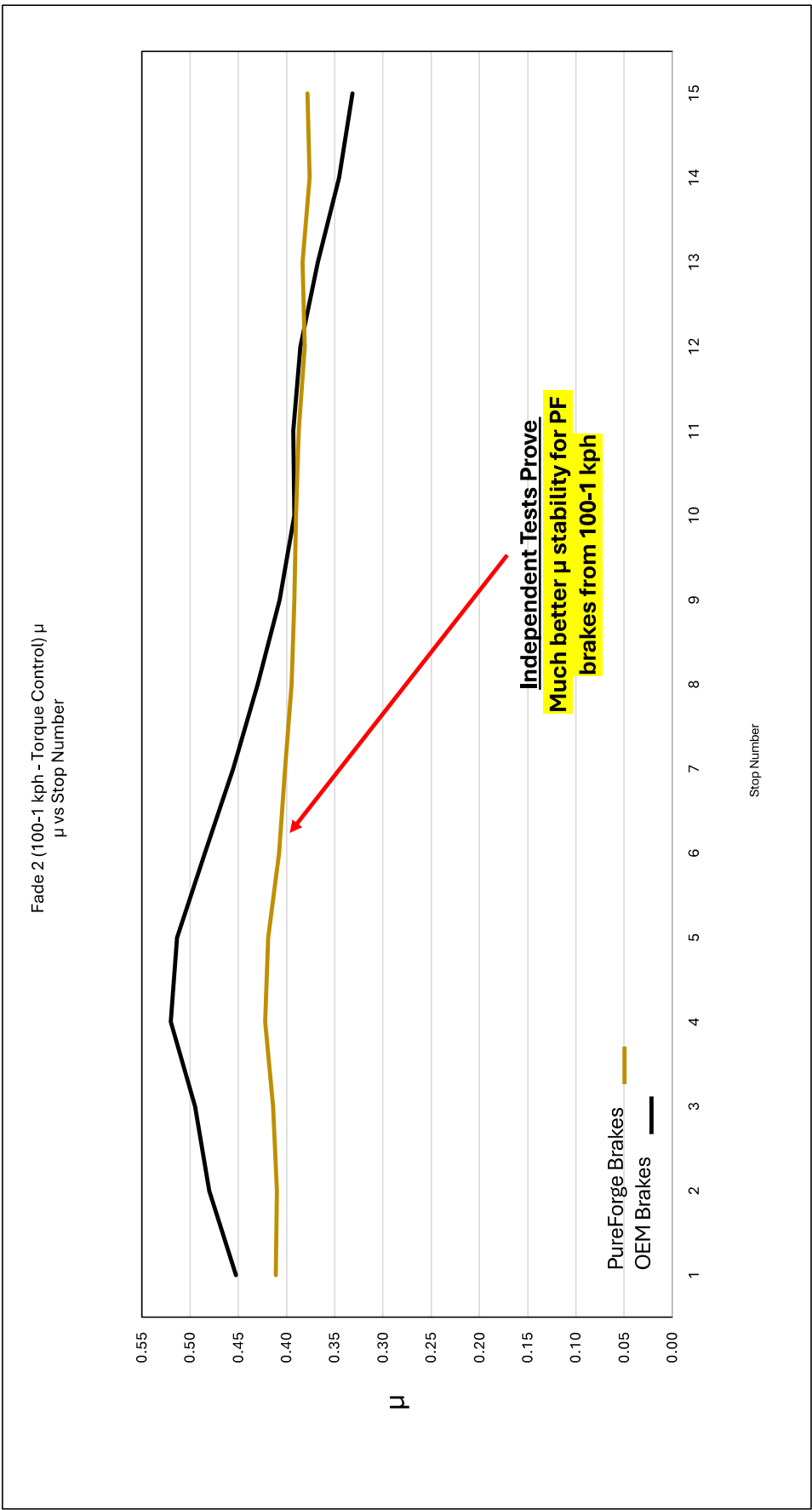
SAE J2707 – Rotor Wear vs Temperature

Observations: PF pad (wear) mass loss is significantly reduced compared to the OEM pad.



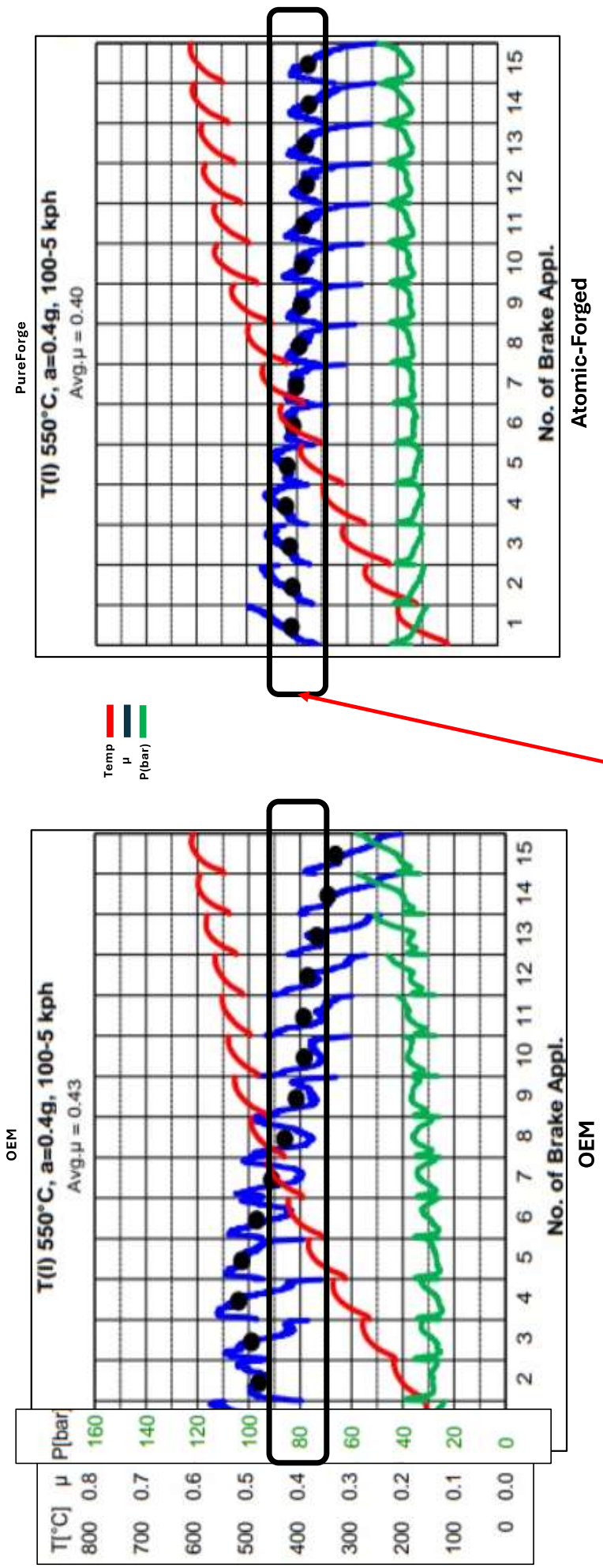
SAE J2522 AK Master – Rotor Wear vs Temperature

Observations: PF Brakes had much better μ stability.



SAE J2522 AK Master – Rotor Wear vs Temperature

Observations: PF Brakes had much better μ stability.

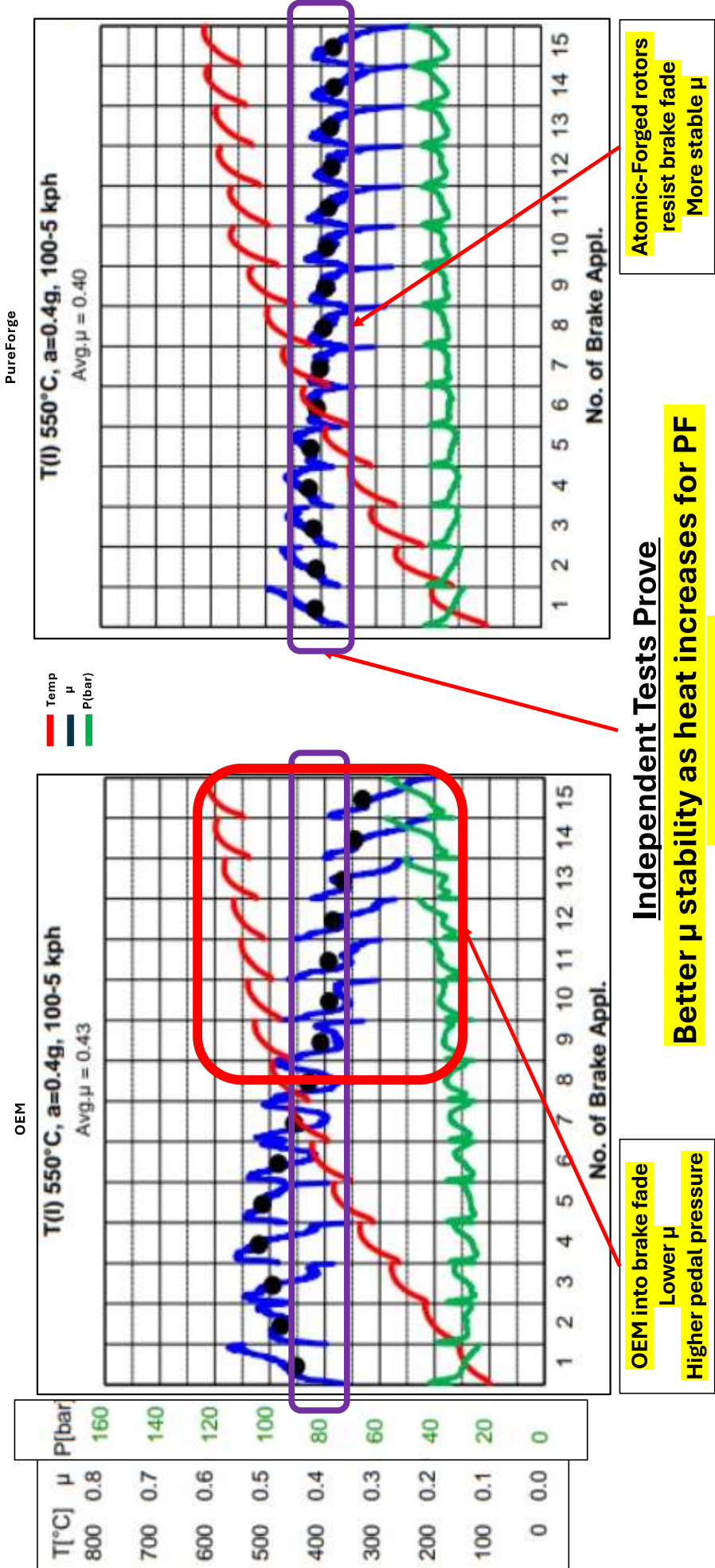


Independent Tests Prove

Much better in-stop μ stability for PF brakes at 550°C

SAE J2522 AK Master – Fade 1 and Fade 2

Observations: PF Brakes have a more consistent μ as heat increases.



Track Testing – M1 Driving Circuit

Test Location: M1 Concourse, Pontiac, MI 48342

Test Date: August 2, 2023

Conditions: 82°, Dry, Partly Sunny

Driver: Dave Sherman

Testing Equipment: Race Logic VBOX

Observations: No measured loss of performance.

Independent Tests Prove
No loss of braking
performance



Test	OEM Brakes			PureForge		
	Distance (Feet)	Time (Seconds)	Max G (G)	Distance (Feet)	Time (Seconds)	Max G (G)
50mph-0mph	83.352	2.233	1.126	83.051	2.222	1.140
60mph-0mph	120.457	2.689	1.146	120.385	2.722	1.154
75mph-0mph	195.693	3.426	1.156	193.257	3.414	1.146