



CANNON
INSTRUMENT COMPANY®

2139 High Tech Road • State College • PA • 16803 • USA

814 353 8000 • 800 676 6232 • FAX 814 353 8007

E-MAIL: cannon@cannoninstrument.com • WEB: www.cannoninstrument.com

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CONTACT:	Frank Saylor	PHONE:	814-353-8000
	Vice President for Sales and	FAX:	814-353-8007
	Marketing	WEB:	www.cannoninstrument.com
		E-MAIL:	cannon@cannoninstrument.com

RE: PRESS RELEASE—For Immediate Release

MRV Design Improvements Enhance Precision

The CANNON Mini-Rotary Viscometer model CMRV-4500 from CANNON Instrument Company has incorporated design enhancements that have significantly improved precision for apparent viscosity measurements of engine oils per modified ASTM D 4684 in documented* industry testing.

CMRV-4500 features include:

1. Additional insulation for improved temperature stability,
2. Rotor collars for prevention of condensation and sample contamination,
3. Rotor locking pins for prevention of unwanted rotor motion and consistent initiation of test
4. Hardened steel rotor pivot points for greater consistency and reliability, and
5. Carbon-fibre rotor shafts for mitigation of heat transfer to or from the test cell.

These enhancements have reduced variation in test results for some materials/temperatures from 20 percent to nine percent! This extraordinary improvement translates directly into significant cost savings in the blending process for products meeting SAE J300 specifications.

The CMRV-4500 can also be used to determine apparent viscosity and yield stress of used engine oils per ASTM D 6896, and can be configured to perform viscosity testing for drive line fluids per ASTM D 6821 with an available Drive Line Rotor kit. Contact CANNON Instrument Company for more information.

* SAE 2003-01-1385

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