TECHNICAL BULLETIN

Independent ASTM Laboratory Evaluation – RMI25 in Glycol Coolant Systems

Objective

Independent laboratory analysis was conducted on a glycol-based coolant system containing RMI25. Testing utilised recognised ASTM methods to evaluate wear metals, contaminants, additive elements, coolant chemistry stability, and electrical characteristics.

ASTM Methods Applied

ASTM D5827 (Wear Metals), ASTM D5828 (Contaminants), ASTM D6100 (Additive Elements), ASTM D1287 (pH), ASTM D1125 (Electrical Conductivity).

Key Laboratory Results

Parameter	Result	Assessment
Iron (Fe)	<1 ppm	Within acceptable limits
Lead (Pb)	<1 ppm	Within acceptable limits
Copper (Cu)	5–6 ppm	Within guideline – Monitor
Silicon (Si)	28 ppm	Within acceptable limits
pH	7.1	Acceptable operating range
Conductivity	4.71	Within acceptable range

Technical Assessment

Independent ASTM analysis indicates stable coolant chemistry, acceptable wear metal concentrations, no abnormal contamination, and electrical characteristics within operational guidelines at the time of sampling. Copper levels were measured at the upper guideline threshold and should be included in routine monitoring.

Compliance Statement

Results represent a condition-based laboratory snapshot of the system at the time of testing. This bulletin reflects laboratory findings only and does not constitute a performance warranty. Ongoing monitoring is recommended as part of standard preventative maintenance practices.