



COOLANT REPORT

Sample Rating Trend



ISO



Area
38559 TRACE PO 38113 [38559]
 Machine Id
EGWTS0001-04082024A
 Component
Fluid
 Fluid
WC171088 ETHYLENE GLYCOL (--- GAL)

DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

Wear

All metal levels are normal indicating no corrosion in the cooling system.

Contamination

NAS 1638 Class: 10, Discrete particle counts [100 ml] 5-15µm = 119400, 15-25µm = 20300, 25-50µm = 6800, 50-100µm = 1100, >100µm = 100. There is a high amount of particulates present in the fluid. The system cleanliness is above the acceptable limit for the target cleanliness code.

Fluid Condition

The glycol level is acceptable. The pH level of this fluid is within the acceptable limits.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC06143783	---	---
Sample Date	Client Info		08 Apr 2024	---	---
Machine Age	mths	Client Info	0	---	---
Oil Age	mths	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method		NEG	---	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		1.082	---	---
pH	Scale 0-14 ASTM D1287		7.99	---	---
Nitrites	ppm AP-053:2009		0	---	---
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		62.9	---	---
Freezing Point	°F ASTM D3321		-61	---	---
Total Dissolved Solids			57.0	---	---
Carboxylate			n/a	---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m		2	---	---
Phosphorus	ppm ASTM D5185m		3373	---	---
Boron	ppm ASTM D5185m		0	---	---
Molybdenum	ppm ASTM D5185m		4	---	---

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m		0	---	---
Aluminum	ppm ASTM D5185m		<1	---	---
Copper	ppm ASTM D5185m		0	---	---
Lead	ppm ASTM D5185m		<1	---	---
Tin	ppm ASTM D5185m		<1	---	---
Zinc	ppm ASTM D5185m		<1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D5185m		5	---	---

CARRIER SALTS

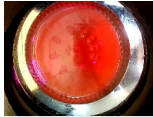

	method	limit/base	current	history1	history2
Sodium	ppm ASTM D5185m		245	---	---
Potassium	ppm ASTM D5185m		7190	---	---

SCALE POTENTIAL

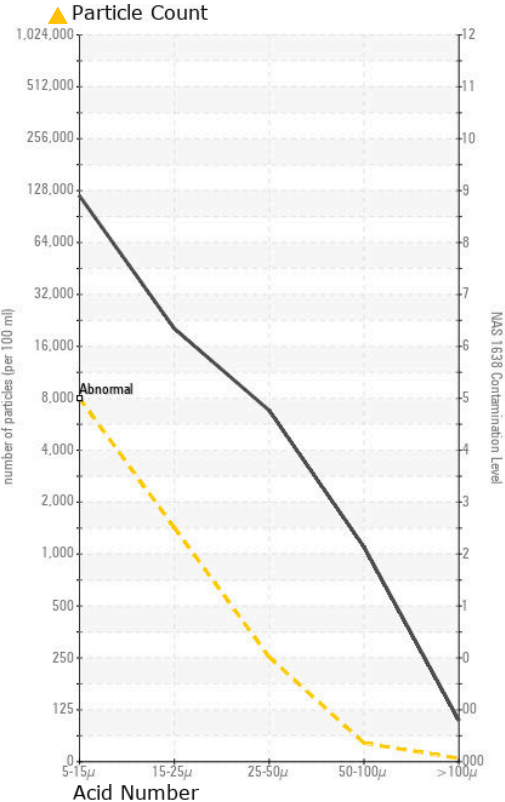
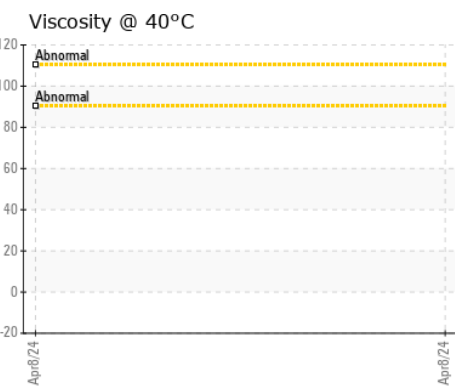
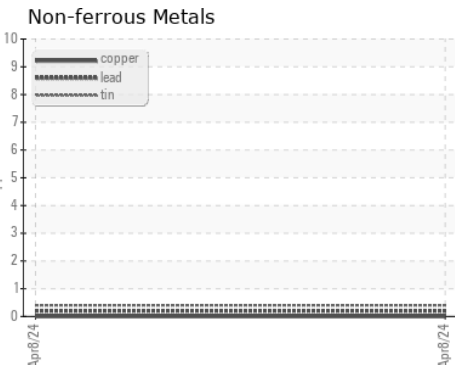
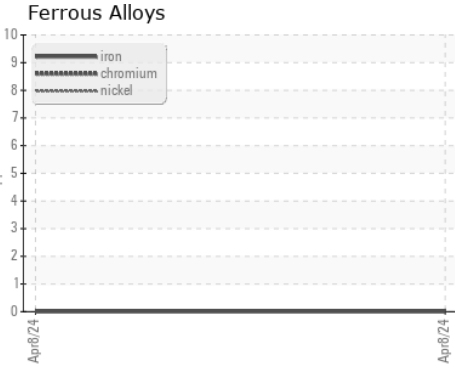
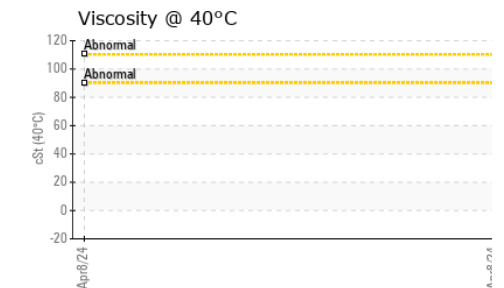
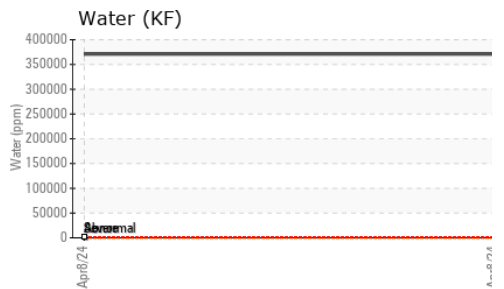
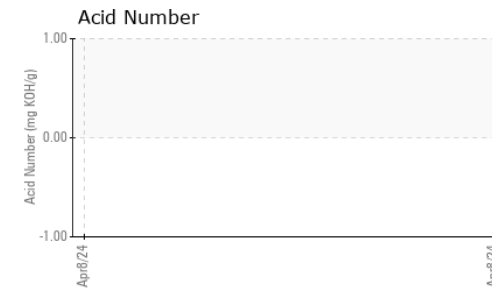
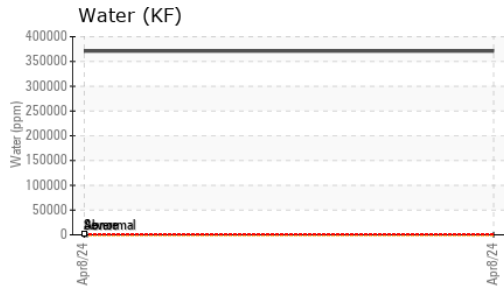
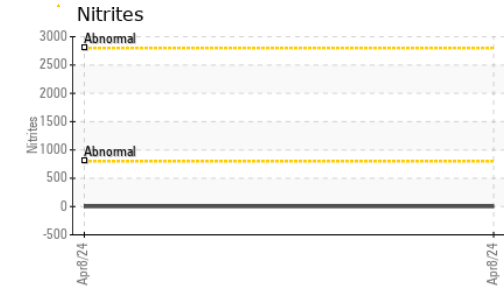
	method	limit/base	current	history1	history2
Calcium	ppm ASTM D5185m		<1	---	---
Magnesium	ppm ASTM D5185m		9	---	---



COOLANT REPORT

VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Pink	---	---
Coolant Appearance	*Visual	Clear	normal	---	---
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC06143783
Lab Number : **06143783**
Unique Number : 10968591
Test Package : IND 2 (Additional Tests: BoilingPoint, COOL, GlycolType, KF, PH, PrtCount, PC Cont, NAB)

RIDGE ENGINEERING
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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: