



PROBLEM SUMMARY

Sample Rating Trend

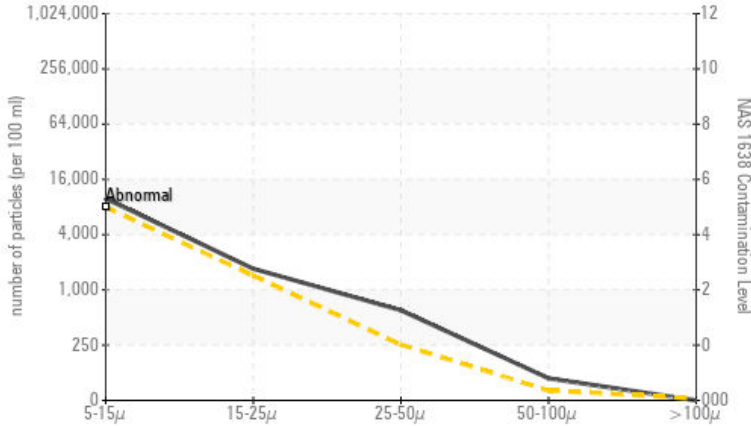
ISO



Area
37533 (TRACE PO 36880) [37533]
 Machine Id
EGWTS0001-09182023C
 Component
Hydraulic System
 Fluid
WC171088 ETHYLENE GLYCOL (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Count



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status

ABNORMAL --- ---

Customer Id: RIDHAM
Sample No.: WC05959311
Lab Number: 05959311
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.
Filter Fluid	---	---	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

HISTORICAL DIAGNOSIS



COOLANT REPORT

Sample Rating Trend

ISO



Area
37533 (TRACE PO 36880) [37533]
 Machine Id
EGWTS0001-09182023C
 Component
Hydraulic System
 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

There is a high amount of particulates present in the oil. NAS 1638 Class: 7, Discrete particle counts [100 ml] 5-15µm = 9900, 15-25µm = 1700, 25-50µm = 600, 50-100µm = 100, >100µm = 0. The system cleanliness is above the acceptable limit for the target SAE AS4059 (replaces NAS 1638) cleanliness code.

Fluid Condition

The glycol level is acceptable. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC05959311	---	---
Sample Date	Client Info	18 Sep 2023	---	---
Machine Age	mths Client Info	0	---	---
Oil Age	mths Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
pH	Scale 0-14 ASTM D1287	7.96	---	---
Reserve Alkalinity	Scale 0-20 *ASTM D1121	---	---	---
Percentage Glycol	% ASTM D3321	62.2	---	---

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	7	---	---
Phosphorus	ppm ASTM D5185m	4097	---	---
Boron	ppm ASTM D5185m	9	---	---
Molybdenum	ppm ASTM D5185m	9	---	---

CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	<1	---	---
Aluminum	ppm ASTM D5185m >20	1	---	---
Copper	ppm ASTM D5185m >20	<1	---	---
Lead	ppm ASTM D5185m >20	<1	---	---
Tin	ppm ASTM D5185m >20	<1	---	---
Zinc	ppm ASTM D5185m	<1	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D5185m	9	---	---

CARRIER SALTS

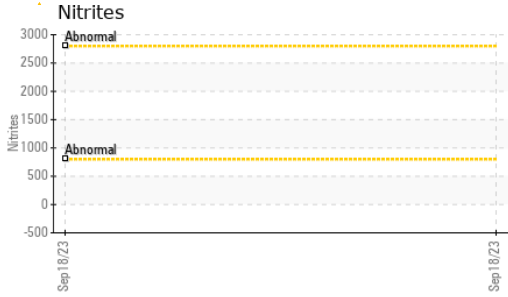
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Sodium	ppm ASTM D5185m	328	---	---
Potassium	ppm ASTM D5185m	10000	---	---

SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D5185m	2	---	---
Magnesium	ppm ASTM D5185m	9	---	---

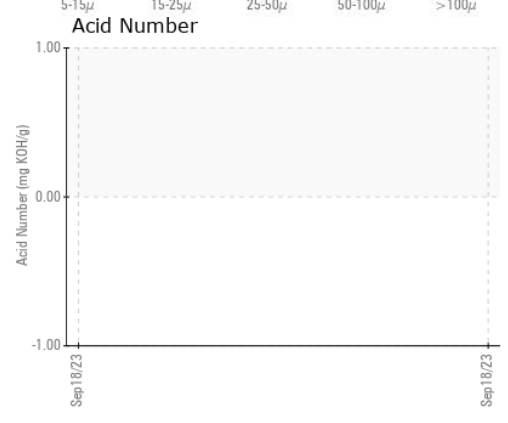
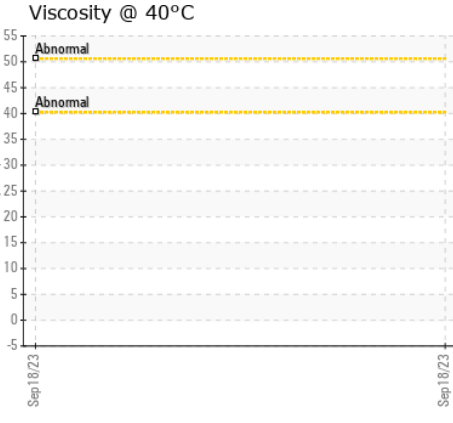
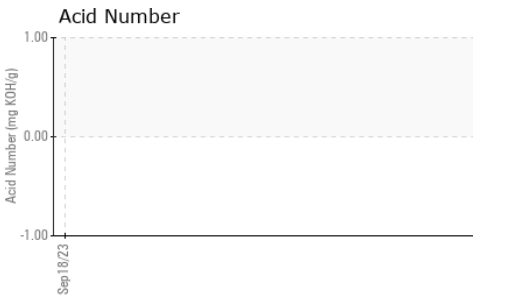
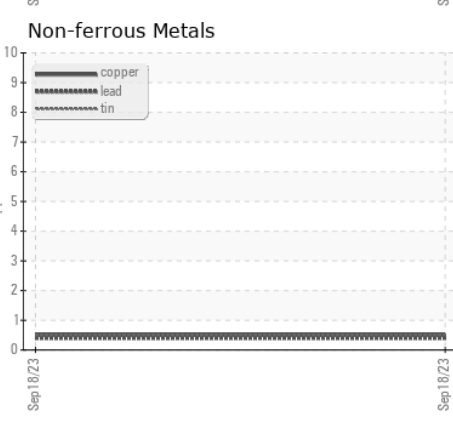
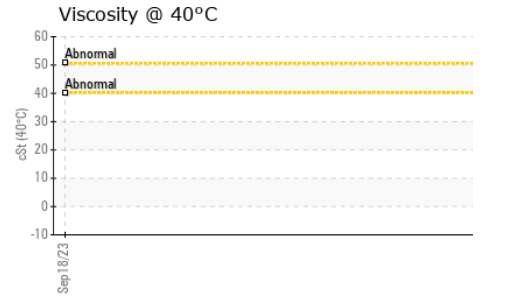
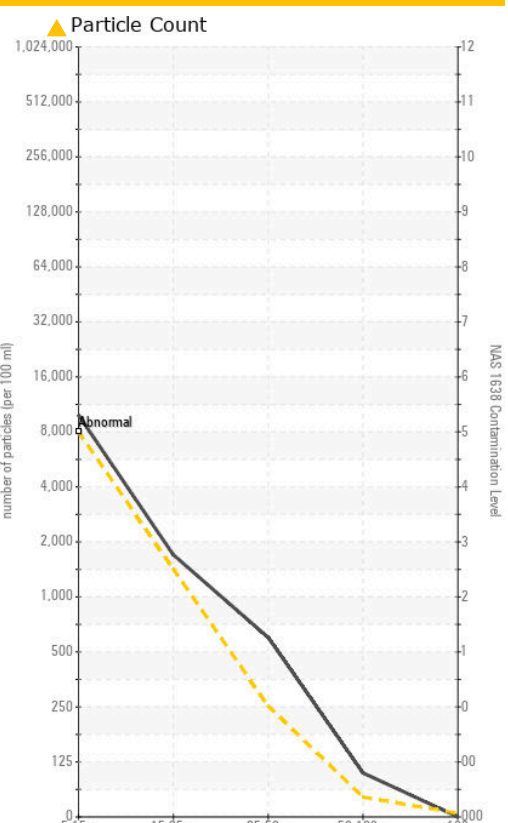
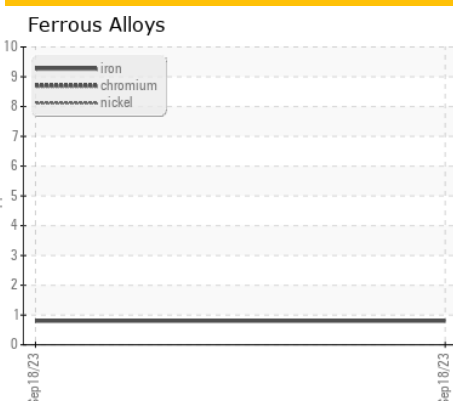
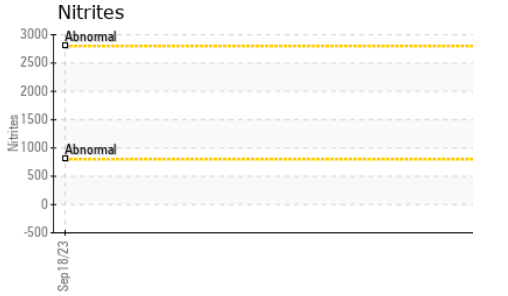


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC05959311 **Received** : 22 Sep 2023
Lab Number : 05959311 **Diagnosed** : 09 Oct 2023
Unique Number : 10660524 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: Cool, KF, PrtCountNAS)

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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)