



PROBLEM SUMMARY

Sample Rating Trend

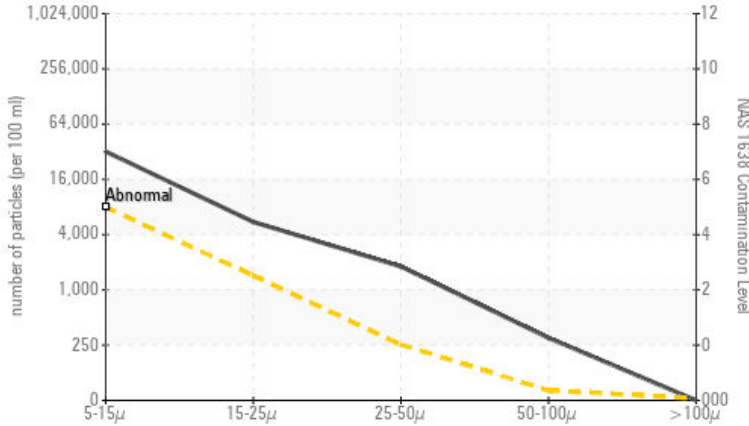
ISO



Area
37373 (TRACE PO 36880)
 Machine Id
08142023C - EGWTS0001
 Component
Hydraulic System
 Fluid
{not provided} (--- 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	---	---
Particles 5-15µm	count	*NAS 1638	>8000	▲ 32200	---	---
Particles 15-25µm	count	*NAS 1638	>1425	▲ 5500	---	---
Particles 25-50µm	count	*NAS 1638	>253	▲ 1800	---	---
Particles 50-100µm	count	*NAS 1638	>45	▲ 300	---	---

Customer Id: RIDHAM
 Sample No.: WC05926956
 Lab Number: 05926956
 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



OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Area
37373 (TRACE PO 36880)
 Machine Id
08142023C - EGWTS0001
 Component
Hydraulic System
 Fluid
{not provided} (--- 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. 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 pH level of this fluid is within the acceptable limits.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC05926956	---	---
Sample Date	Client Info	15 Aug 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>20	<1	---	---
Aluminum ppm ASTM D5185m	>20	2	---	---
Lead ppm ASTM D5185m	>20	<1	---	---
Copper ppm ASTM D5185m	>20	0	---	---
Tin ppm ASTM D5185m	>20	<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		6	---	---
Molybdenum ppm ASTM D5185m		0	---	---
Magnesium ppm ASTM D5185m		9	---	---
Calcium ppm ASTM D5185m		1	---	---
Phosphorus ppm ASTM D5185m		4269	---	---
Zinc ppm ASTM D5185m		0	---	---
Sulfur ppm ASTM D5185m		42	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>15	5	---	---
Sodium ppm ASTM D5185m		302	---	---
Potassium ppm ASTM D5185m	>20	10000	---	---
Chlorine ppm ASTM D5185m		30	---	---

FLUID CLEANLINESS

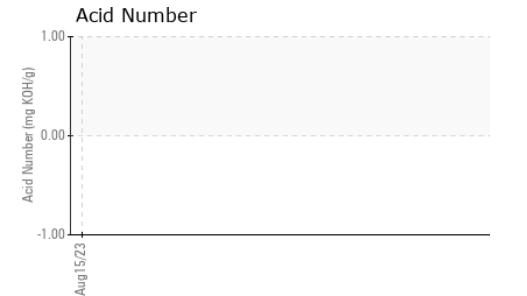
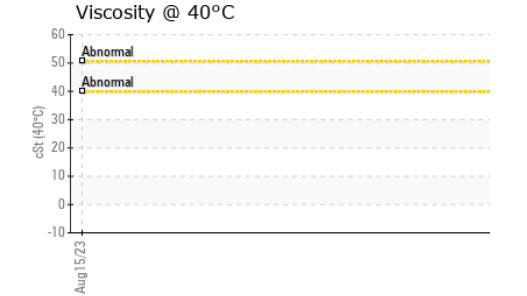
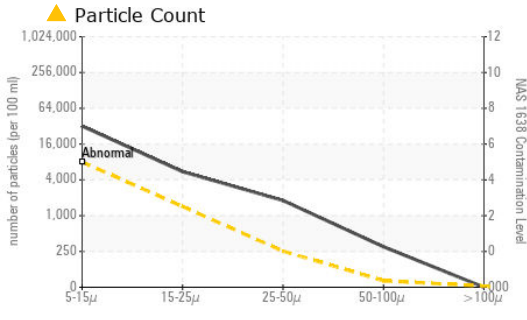
method	limit/base	current	history1	history2
Particles 5-15µm count *NAS 1638	>8000	▲ 32200	---	---
Particles 15-25µm count *NAS 1638	>1425	▲ 5500	---	---
Particles 25-50µm count *NAS 1638	>253	▲ 1800	---	---
Particles 50-100µm count *NAS 1638	>45	▲ 300	---	---
Particles >100µm count *NAS 1638	>8	0	---	---
NAS 1638 Class *NAS 1638	>5	8	---	---

VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	NONE	---	---
Yellow Metal scalar *Visual	NONE	NONE	---	---
Precipitate scalar *Visual	NONE	NONE	---	---
Silt scalar *Visual	NONE	NONE	---	---
Debris scalar *Visual	NONE	NONE	---	---
Sand/Dirt scalar *Visual	NONE	NONE	---	---
Appearance scalar *Visual	NORML	NORML	---	---
Odor scalar *Visual	NORML	NORML	---	---
Emulsified Water scalar *Visual	>0.05	NEG	---	---
Free Water scalar *Visual		NEG	---	---

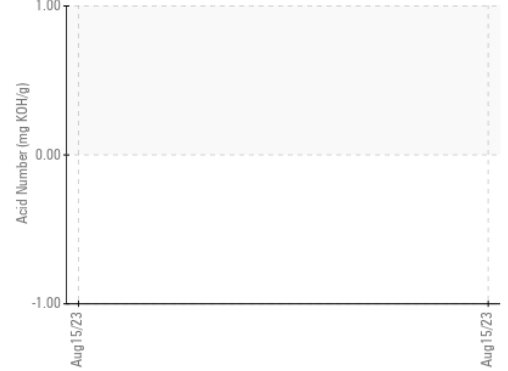
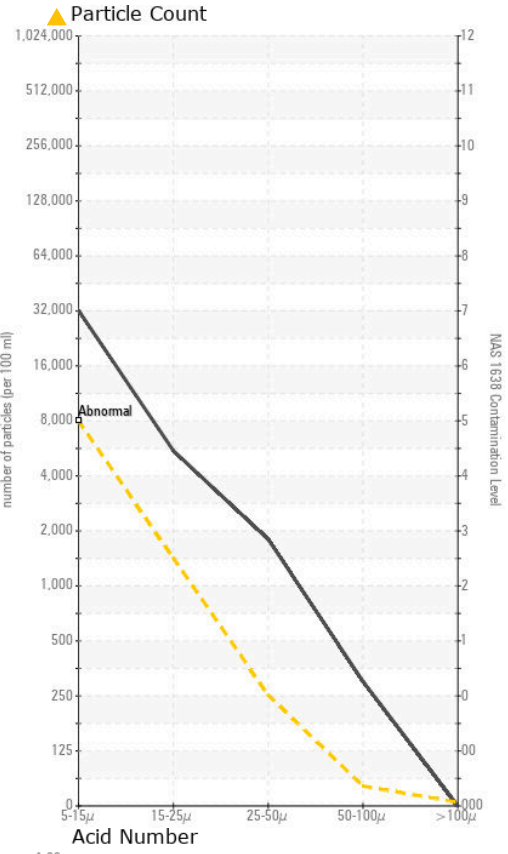
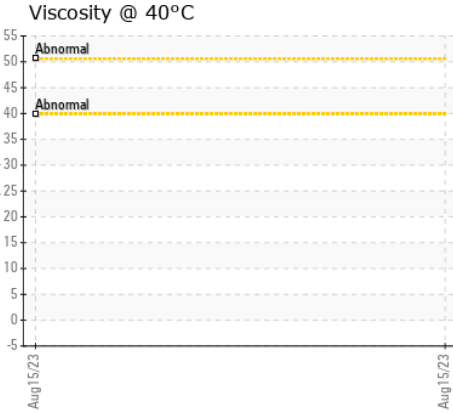
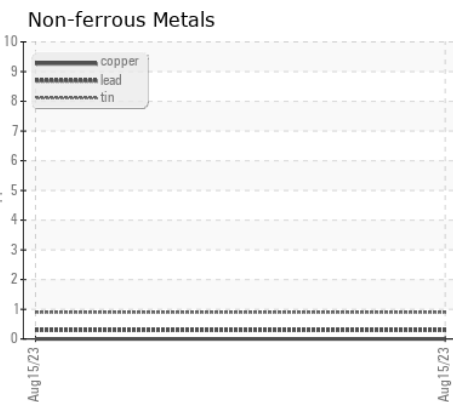
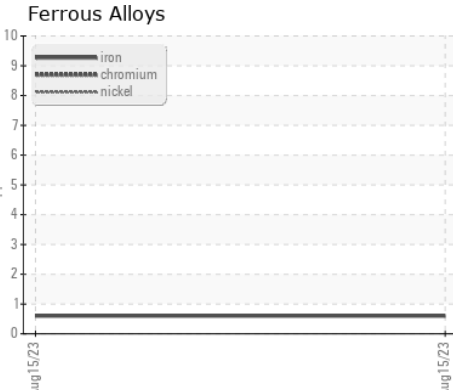


OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC05926956 **Received** : 16 Aug 2023
Lab Number : 05926956 **Diagnosed** : 06 Sep 2023
Unique Number : 10606903 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: KF, PrtCountNAS)

RIDGE ENGINEERING
 3987 HAMPSTEAD-MEXICO RD
 HAMPSTEAD, MD
 US 21074
 Contact: BETHANY HUGHES*
 bethany@ridgeeng.com

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: