



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
38849 TRACE PO 38113 [38849]
 Machine Id
EGWTS0001-06112024B
 Component
Fluid
 Fluid
WC171088 ETHYLENE GLYCOL (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

NAS 1638 Class: 7, Discrete particle counts [100 ml] 5-15µm = 16600, 15-25µm = 2800, 25-50µm = 1000, 50-100µm = 100, >100µm = 0. There is a high amount of silt (particulates < 15 microns in size) present in the fluid. The system cleanliness is above the acceptable limit for the target SAE AS4059 (replaces NAS 1638) cleanliness code.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC06209125	---	---
Sample Date	Client Info	11 Jun 2024	---	---
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		0	---	---
Aluminum ppm ASTM D5185m		<1	---	---
Lead ppm ASTM D5185m		0	---	---
Copper ppm ASTM D5185m		0	---	---
Tin ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		0	---	---
Molybdenum ppm ASTM D5185m		0	---	---
Magnesium ppm ASTM D5185m		9	---	---
Calcium ppm ASTM D5185m		<1	---	---
Phosphorus ppm ASTM D5185m		2941	---	---
Zinc ppm ASTM D5185m		0	---	---
Sulfur ppm ASTM D5185m		27	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m		3	---	---
Sodium ppm ASTM D5185m		202	---	---
Potassium ppm ASTM D5185m	>20	8039	---	---
Chlorine ppm ASTM D5185m		<1	---	---
Water % ASTM D6304		NEG	---	---

FLUID CLEANLINESS

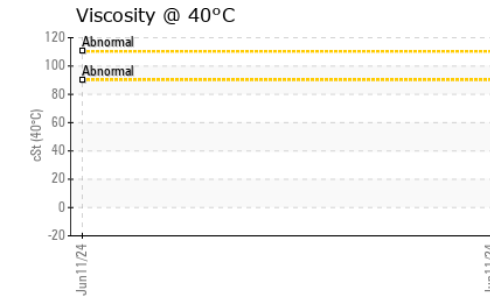
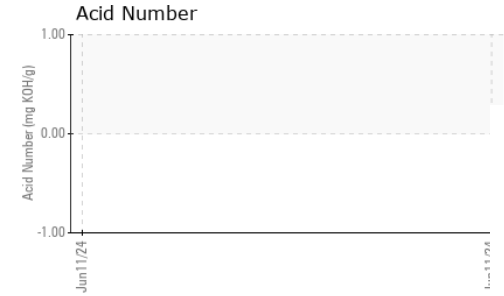
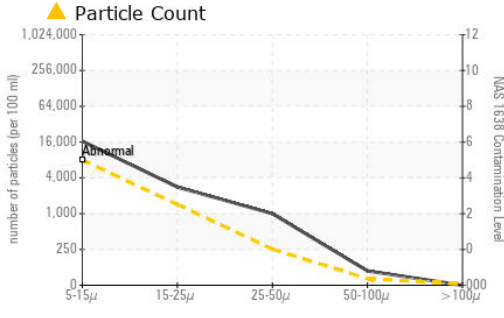
method	limit/base	current	history1	history2
Particles 5-15µm count *NAS 1638	>8000	▲ 16600	---	---
Particles 15-25µm count *NAS 1638	>1425	2800	---	---
Particles 25-50µm count *NAS 1638	>253	1000	---	---
Particles 50-100µm count *NAS 1638	>45	100	---	---
Particles >100µm count *NAS 1638	>8	0	---	---
NAS 1638 Class *NAS 1638	>5	7	---	---

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		NEG	---	---
Free Water scalar *Visual		NEG	---	---



OIL ANALYSIS REPORT



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC06209125 **Received** : 13 Jun 2024
Lab Number : 06209125 **Tested** : 11 Jul 2024
Unique Number : 11076586 **Diagnosed** : 11 Jul 2024 - Doug Bogart
Test Package : IND 2 (Additional Tests: KF, PH, PrtCount, 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)

FLUID PROPERTIES	method	limit/base	current	history1	history2
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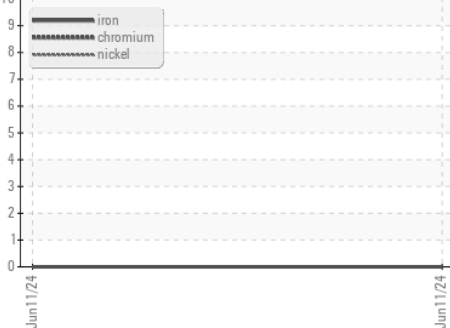
pH	Scale 0-14	ASTM D1287	7.89	---	---
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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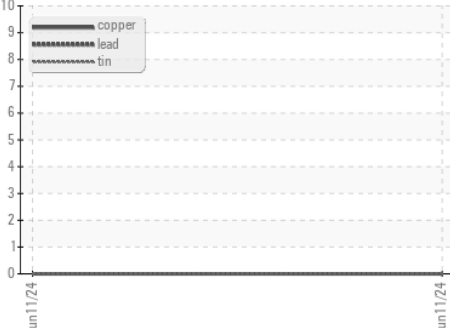
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Bottom			no image	no image

GRAPHS

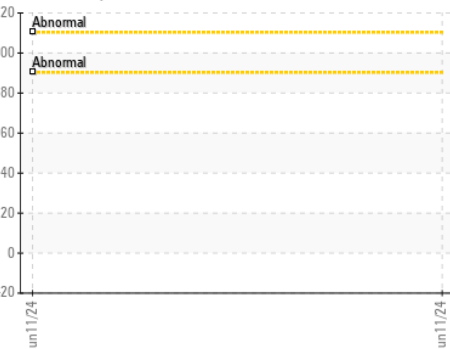
Ferrous Alloys



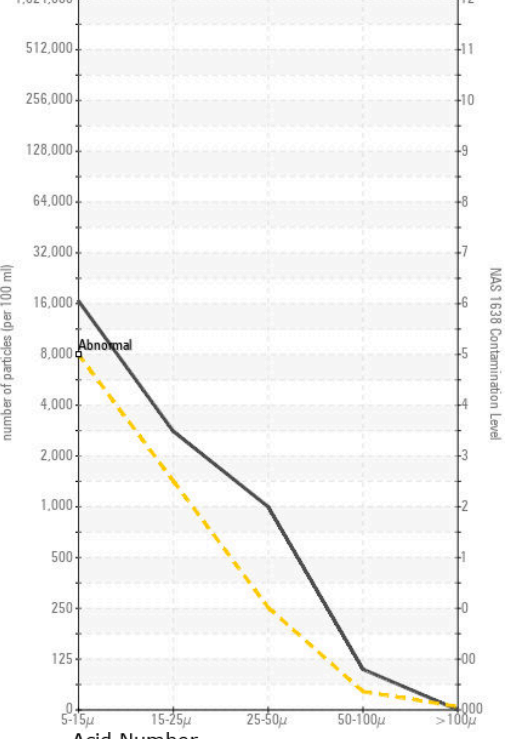
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

