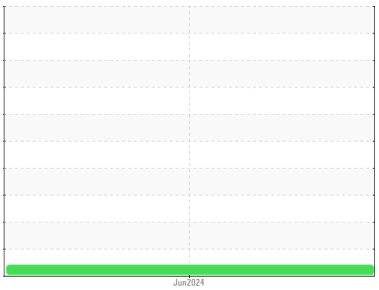
OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Area
38849 TRACE PO 38113 [38849]
Machine Id
EGWTS0001-06112024A
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 = 15800, 15-25µm = 2700, 25-50µm = 900, 50-100µm = 100, >100µm = 0. There is a high amount of silt (particulates < 14 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		**WC06209124**	---	---
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**	---	---

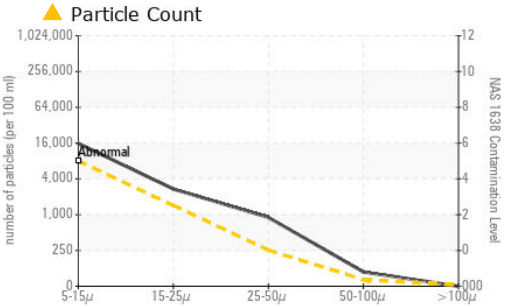
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	---	---
Molybdenum	ppm	ASTM D5185m		**0**	---	---
Magnesium	ppm	ASTM D5185m		**10**	---	---
Calcium	ppm	ASTM D5185m		**<1**	---	---
Phosphorus	ppm	ASTM D5185m		**3096**	---	---
Zinc	ppm	ASTM D5185m		**0**	---	---
Sulfur	ppm	ASTM D5185m		**29**	---	---

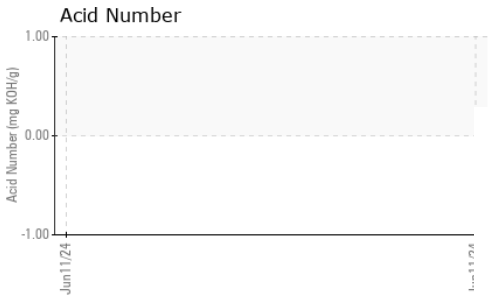
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		**3**	---	---
Sodium	ppm	ASTM D5185m		**214**	---	---
Potassium	ppm	ASTM D5185m	>20	**8342**	---	---
Chlorine	ppm	ASTM D5185m		**2**	---	---
Water	%	ASTM D6304		**NEG**	---	---

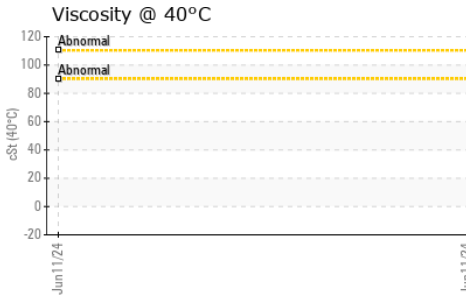
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles 5-15µm	count	*NAS 1638	>8000	**15800**	---	---
Particles 15-25µm	count	*NAS 1638	>1425	**2700**	---	---
Particles 25-50µm	count	*NAS 1638	>253	**900**	---	---
Particles 50-100µm	count	*NAS 1638	>45	**100**	---	---
Particles >100µm	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**	---	---

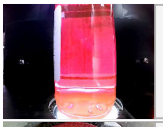
OIL ANALYSIS REPORT



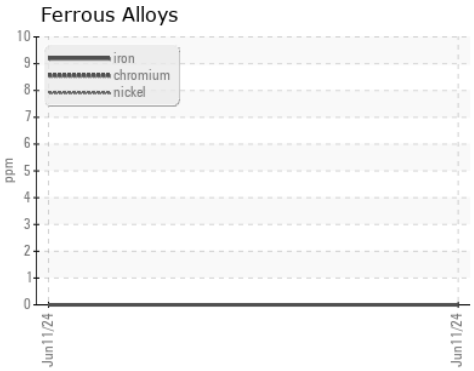


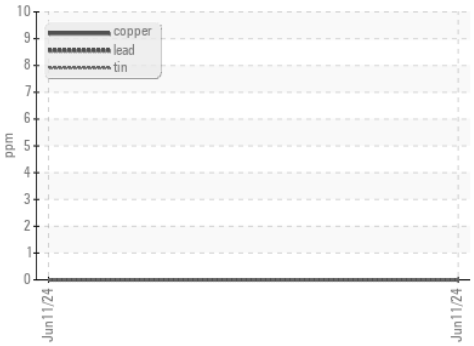


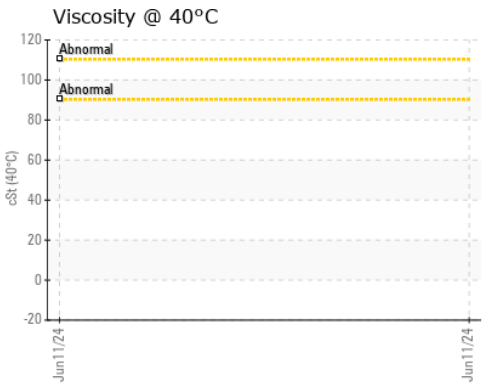
FLUID PROPERTIES		method	limit/base	current	history1	history2
pH	Scale 0-14	ASTM D1287		**7.88**	---	---

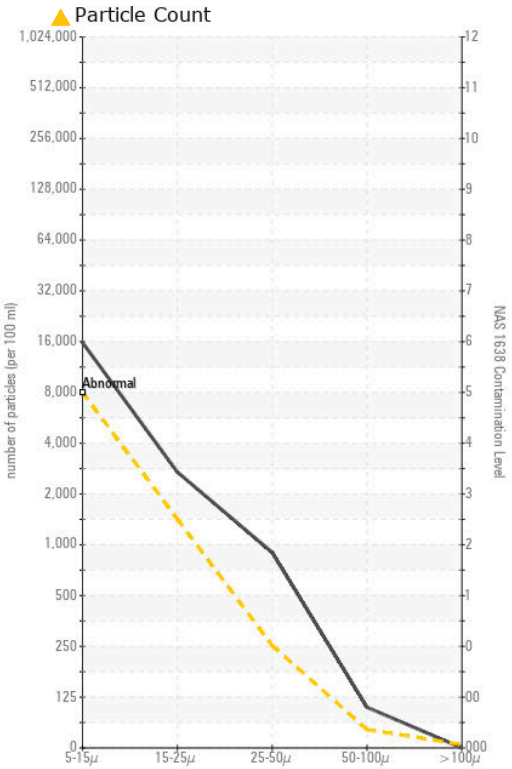
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

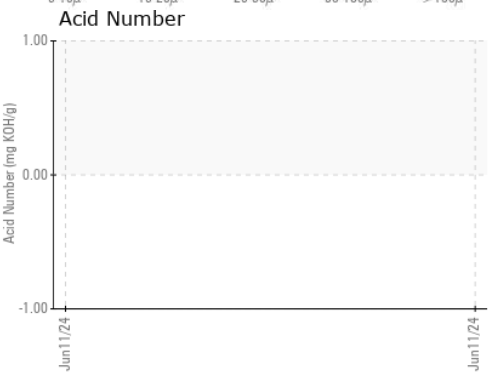
GRAPHS











Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC06209124 **Received** : 13 Jun 2024
Lab Number : 06209124 **Tested** : 11 Jul 2024
Unique Number : 11076585 **Diagnosed** : 11 Jul 2024 - Doug Bogart
Test Package : IND 2 (Additional Tests: KF, PH, PrtCount, PrtCountNAS)

Certificate L2367

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)

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