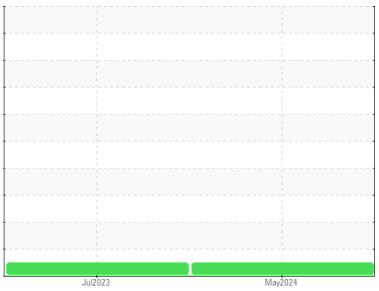
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Area
{UNASSIGNED}
Machine Id
JAX FG ISO 220 Main Storage
Component
New (Unused) Oil
Fluid
JAX FGG-AW ISO 220 (75 GAL)

DIAGNOSIS

Recommendation
This is a baseline read-out on the submitted sample.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0929838**	WC0840665	---
Sample Date		Client Info		**29 May 2024**	24 Jul 2023	---
Machine Age	hrs	Client Info		**0**	0	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**N/A**	N/A	---
Sample Status				**NORMAL**	NORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>5	**0**	<1	---
Chromium	ppm	ASTM D5185m	>5	**0**	<1	---
Nickel	ppm	ASTM D5185m	>5	**0**	0	---
Titanium	ppm	ASTM D5185m		**0**	0	---
Silver	ppm	ASTM D5185m	>5	**0**	0	---
Aluminum	ppm	ASTM D5185m	>5	**0**	0	---
Lead	ppm	ASTM D5185m	>5	**0**	0	---
Copper	ppm	ASTM D5185m	>5	**<1**	0	---
Tin	ppm	ASTM D5185m	>5	**<1**	0	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
Cadmium	ppm	ASTM D5185m		**0**	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	0	---
Barium	ppm	ASTM D5185m		**0**	0	---
Molybdenum	ppm	ASTM D5185m		**0**	<1	---
Manganese	ppm	ASTM D5185m		**<1**	0	---
Magnesium	ppm	ASTM D5185m		**<1**	7	---
Calcium	ppm	ASTM D5185m		**0**	16	---
Phosphorus	ppm	ASTM D5185m		**540**	595	---
Zinc	ppm	ASTM D5185m		**0**	9	---
Sulfur	ppm	ASTM D5185m		**544**	602	---

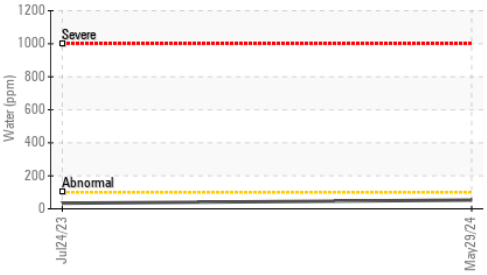
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	**<1**	<1	---
Sodium	ppm	ASTM D5185m		**<1**	<1	---
Potassium	ppm	ASTM D5185m	>20	**2**	<1	---
Water	%	ASTM D6304		**0.005**	0.003	---
ppm Water	ppm	ASTM D6304		**53**	34.1	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	**1351**	1617	---
Particles >6µm		ASTM D7647	>1300	**388**	414	---
Particles >14µm		ASTM D7647	>160	**37**	27	---
Particles >21µm		ASTM D7647	>40	**15**	7	---
Particles >38µm		ASTM D7647	>10	**5**	2	---
Particles >71µm		ASTM D7647	>3	**4**	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	**18/16/12**	18/16/12	---

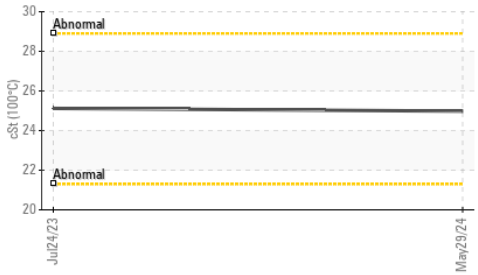
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.71**	0.88	---

OIL ANALYSIS REPORT

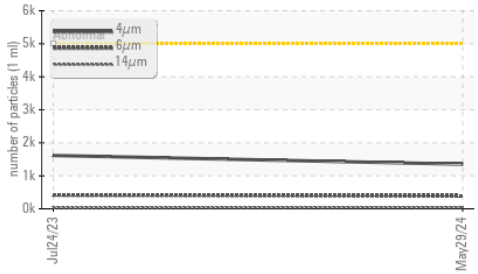
Water (KF)



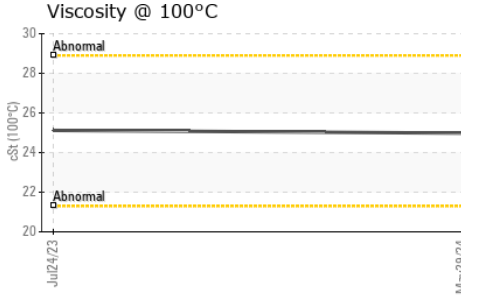
Viscosity @ 100°C



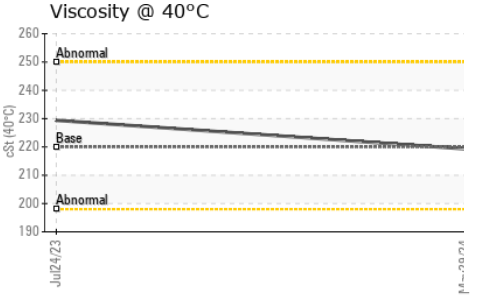
Particle Trend



Viscosity @ 100°C

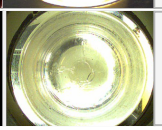


Viscosity @ 40°C



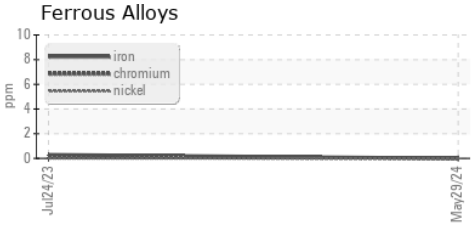
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	**219.3**	229.4	---
Visc @ 100°C	cSt	ASTM D445		**24.98**	25.12	---
Viscosity Index (VI)	Scale	ASTM D2270		**143**	138	---

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

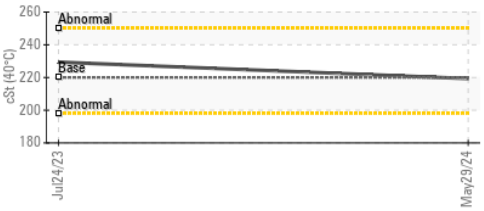
GRAPHS

Ferrous Alloys

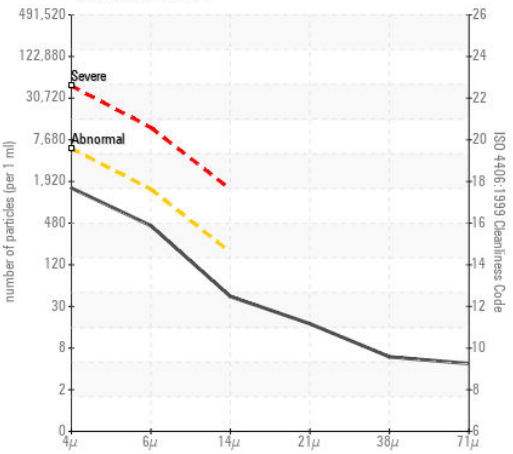


Non-ferrous Metals

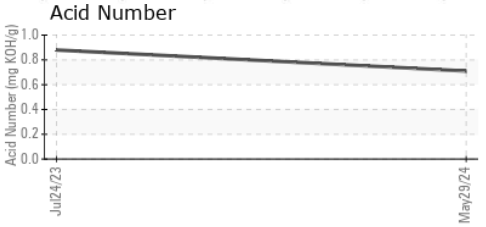
Viscosity @ 40°C



Particle Count



Acid Number



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0929838 **Received** : 31 May 2024
Lab Number : 06197180 **Tested** : 17 Jun 2024
Unique Number : 11059303 **Diagnosed** : 17 Jun 2024 - Sean Felton
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, VI)

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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)