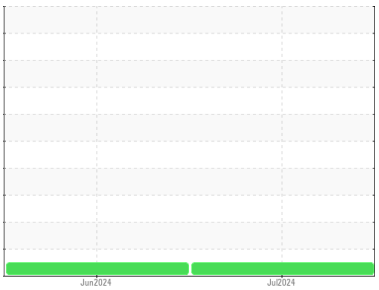
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
[] Oil room tote 29
Component
Bulk Fluid Tank
Fluid
ROYAL PURPLE BARRIER FLUID GT22 (--- 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		**RP0038987**	RP0042857	---
Sample Date		Client Info		**12 Jul 2024**	05 Jun 2024	---
Machine Age	hrs	Client Info		**0**	0	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**Not Changd**	Not Changd	---
Sample Status				**NORMAL**	NORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		**0**	0	---
Chromium	ppm	ASTM D5185m		**0**	0	---
Nickel	ppm	ASTM D5185m		**0**	<1	---
Titanium	ppm	ASTM D5185m		**0**	0	---
Silver	ppm	ASTM D5185m		**0**	0	---
Aluminum	ppm	ASTM D5185m		**0**	0	---
Lead	ppm	ASTM D5185m		**0**	0	---
Copper	ppm	ASTM D5185m		**0**	0	---
Tin	ppm	ASTM D5185m		**0**	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		**<1**	1	---
Molybdenum	ppm	ASTM D5185m		**0**	0	---
Manganese	ppm	ASTM D5185m		**0**	<1	---
Magnesium	ppm	ASTM D5185m		**3**	3	---
Calcium	ppm	ASTM D5185m		**0**	<1	---
Phosphorus	ppm	ASTM D5185m		**224**	198	---
Zinc	ppm	ASTM D5185m		**3**	5	---

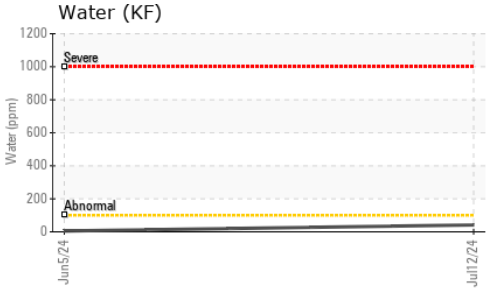
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		**<1**	0	---
Sodium	ppm	ASTM D5185m		**3**	2	---
Potassium	ppm	ASTM D5185m	>20	**0**	2	---
Water	%	ASTM D6304		**0.004**	0.001	---
ppm Water	ppm	ASTM D6304		**42**	5	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	**933**	---	---
Particles >6µm		ASTM D7647	>1300	**289**	---	---
Particles >14µm		ASTM D7647	>160	**34**	---	---
Particles >21µm		ASTM D7647	>40	**8**	---	---
Particles >38µm		ASTM D7647	>10	**0**	---	---
Particles >71µm		ASTM D7647	>3	**0**	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	**17/15/12**	---	---

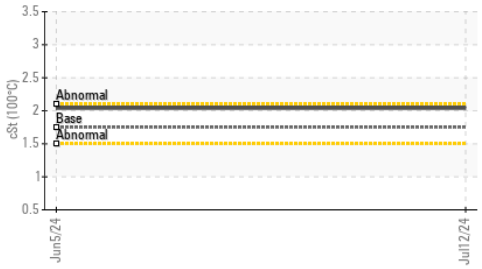
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.728**	0.843	---

OIL ANALYSIS REPORT

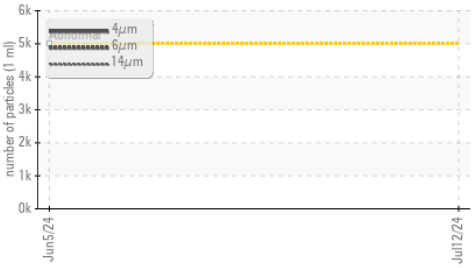
Water (KF)



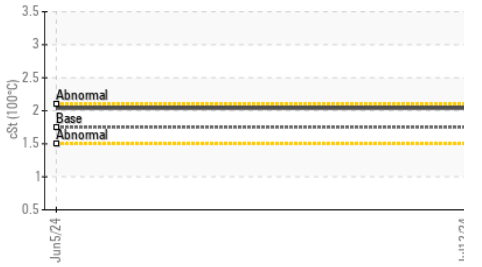
Viscosity @ 100°C



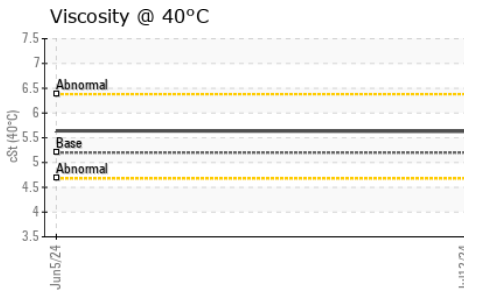
Particle Trend



Viscosity @ 100°C



Viscosity @ 40°C



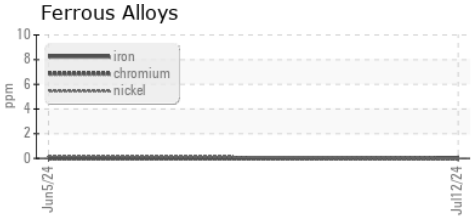
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	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	5.2	**5.63**	5.64	---
Visc @ 100°C	cSt	ASTM D445	1.75	**2.04**	2.04	---
Viscosity Index (VI)	Scale	ASTM D2270		**192**	191	---

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

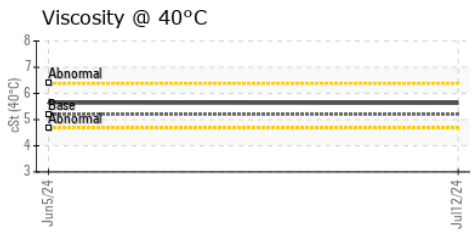
GRAPHS

Ferrous Alloys

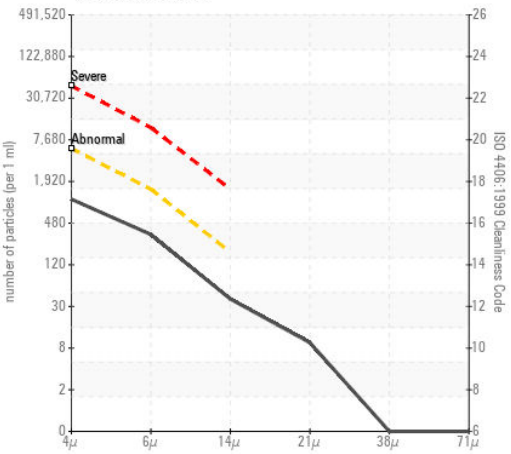


Non-ferrous Metals

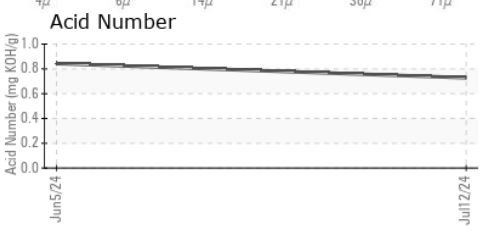
Viscosity @ 40°C



Particle Count



Acid Number



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0038987 **Received** : 16 Jul 2024
Lab Number : 06238329 **Tested** : 17 Jul 2024
Unique Number : 11127163 **Diagnosed** : 19 Jul 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KV100, PrtCount, VI)

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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Report Id: CALSHR [WUSCAR] 06238329 (Generated: 07/19/2024 12:39:19) Rev: 1

Submitted By: CODY COMPTON