



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
17-061S27-4
Component
New (Unused) Oil
Fluid
{not provided} (--- 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		WC0881560	---	---
Sample Date	Client Info		13 Mar 2024	---	---
Machine Age	mls Client Info		0	---	---
Oil Age	mls Client Info		0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			NORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>5	0	---	---
Chromium	ppm ASTM D5185m	>5	<1	---	---
Nickel	ppm ASTM D5185m	>5	<1	---	---
Titanium	ppm ASTM D5185m		<1	---	---
Silver	ppm ASTM D5185m	>5	0	---	---
Aluminum	ppm ASTM D5185m	>5	2	---	---
Lead	ppm ASTM D5185m	>5	<1	---	---
Copper	ppm ASTM D5185m	>5	<1	---	---
Tin	ppm ASTM D5185m	>5	<1	---	---
Vanadium	ppm ASTM D5185m		<1	---	---
Cadmium	ppm ASTM D5185m		<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		250	---	---
Barium	ppm ASTM D5185m		0	---	---
Molybdenum	ppm ASTM D5185m		<1	---	---
Manganese	ppm ASTM D5185m		<1	---	---
Magnesium	ppm ASTM D5185m		<1	---	---
Calcium	ppm ASTM D5185m		6	---	---
Phosphorus	ppm ASTM D5185m		1198	---	---
Zinc	ppm ASTM D5185m		0	---	---
Sulfur	ppm ASTM D5185m		24955	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>15	2	---	---
Sodium	ppm ASTM D5185m		<1	---	---
Potassium	ppm ASTM D5185m	>20	<1	---	---
Water	% ASTM D6304		0.034	---	---
ppm Water	ppm ASTM D6304		347	---	---

FLUID CLEANLINESS

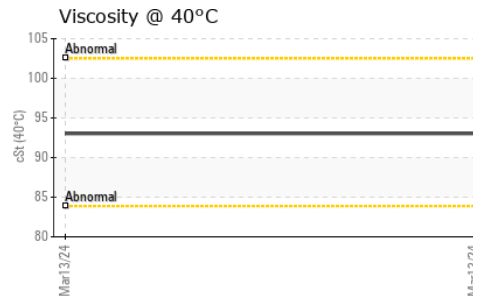
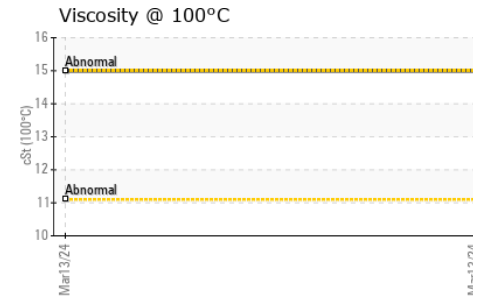
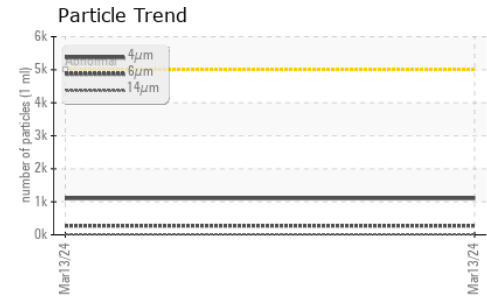
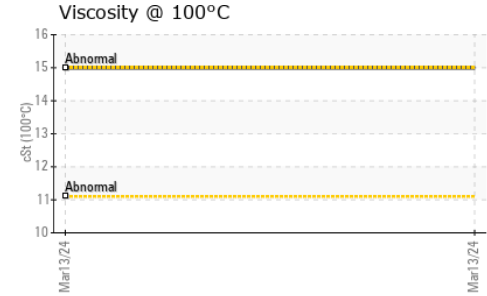
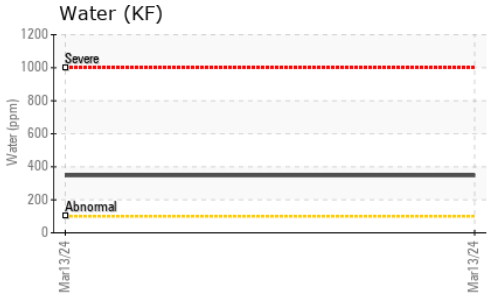
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	1104	---	---
Particles >6µm	ASTM D7647	>1300	274	---	---
Particles >14µm	ASTM D7647	>160	17	---	---
Particles >21µm	ASTM D7647	>40	5	---	---
Particles >38µm	ASTM D7647	>10	1	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	17/15/11	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		2.48	---	---



OIL ANALYSIS REPORT



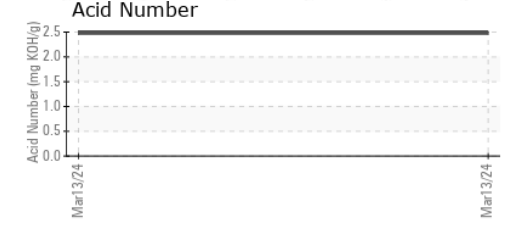
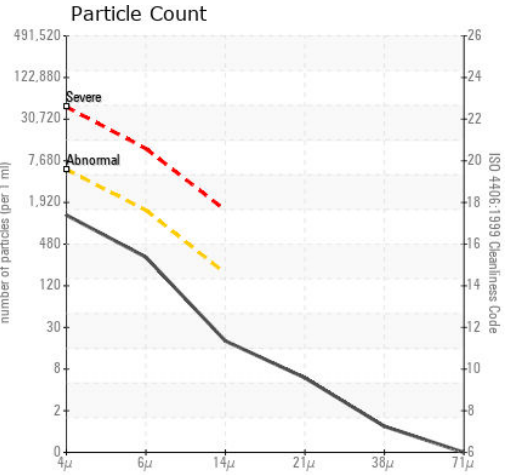
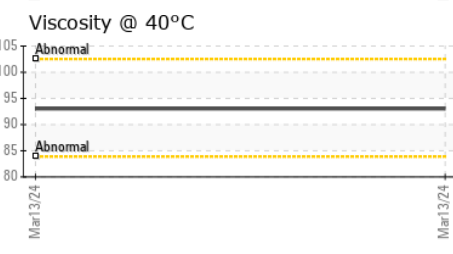
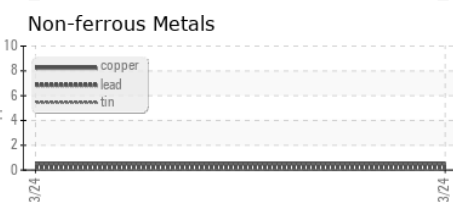
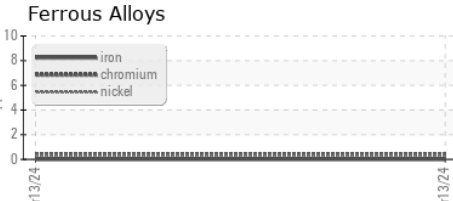
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	93.03	---	---
Visc @ 100°C	cSt	ASTM D445	14.99	---	---
Viscosity Index (VI)	Scale	ASTM D2270	169	---	---

SAMPLE IMAGES

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. : WC0881560 **Received** : 20 Mar 2024
Lab Number : 06124456 **Tested** : 28 Mar 2024
Unique Number : 10938607 **Diagnosed** : 28 Mar 2024 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, VI)

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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)