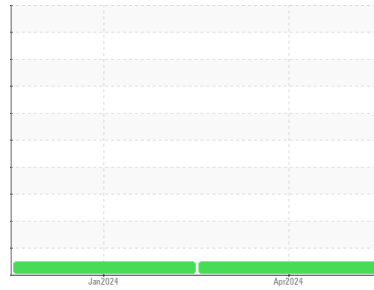


OIL ANALYSIS REPORT

Sample Rating Trend



Area
[101370]
 Machine Id
1Z-216
 Component
Gearbox
 Fluid
1100/320 (--- GAL)

DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.

Wear
 All component wear rates are normal.

Contamination
 There is no indication of any contamination in the oil.

Fluid Condition
 The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	TO60002453	TO60000904	---
Sample Date	Client Info	13 Apr 2024	09 Jan 2024	---
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	---

CONTAMINATION method limit/base current history1 history2

Water	WC Method	>0.2	NEG	NEG	---
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WEAR METALS method limit/base current history1 history2

PQ	ASTM D8184		18	12	---
Iron	ppm ASTM D5185m	>200	4	0	---
Chromium	ppm ASTM D5185m	>15	<1	0	---
Nickel	ppm ASTM D5185m	>15	0	0	---
Titanium	ppm ASTM D5185m		2	2	---
Silver	ppm ASTM D5185m		0	0	---
Aluminum	ppm ASTM D5185m	>25	18	7	---
Lead	ppm ASTM D5185m	>100	0	0	---
Copper	ppm ASTM D5185m	>200	1	<1	---
Tin	ppm ASTM D5185m	>25	0	0	---
Vanadium	ppm ASTM D5185m		<1	0	---
Cadmium	ppm ASTM D5185m		<1	0	---

ADDITIVES method limit/base current history1 history2

Boron	ppm ASTM D5185m		0	0	---
Barium	ppm ASTM D5185m		7	5	---
Molybdenum	ppm ASTM D5185m		2227	1992	---
Manganese	ppm ASTM D5185m		0	0	---
Magnesium	ppm ASTM D5185m		0	0	---
Calcium	ppm ASTM D5185m		158	147	---
Phosphorus	ppm ASTM D5185m		2991	3103	---
Zinc	ppm ASTM D5185m		1155	1232	---
Sulfur	ppm ASTM D5185m		5665	5249	---

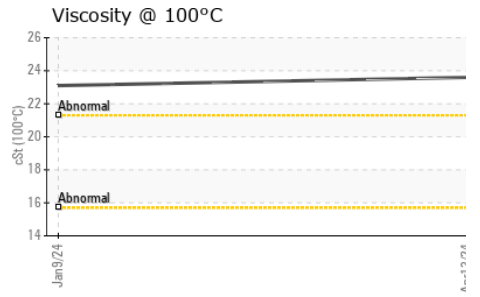
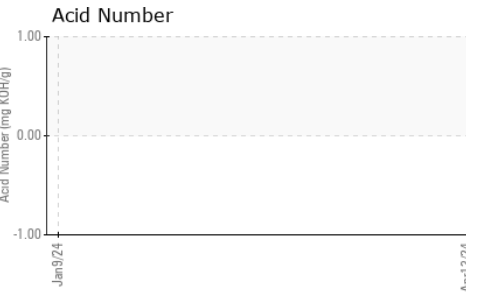
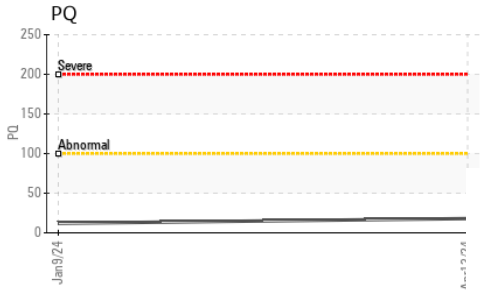
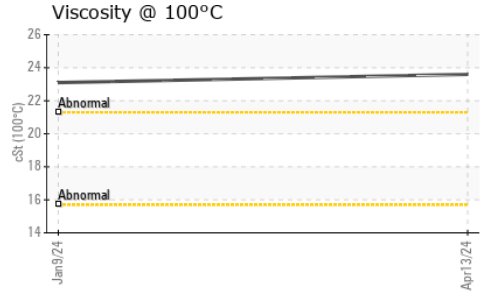
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm ASTM D5185m	>50	31	21	---
Sodium	ppm ASTM D5185m		0	<1	---
Potassium	ppm ASTM D5185m	>20	2	0	---





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	>0.2	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---

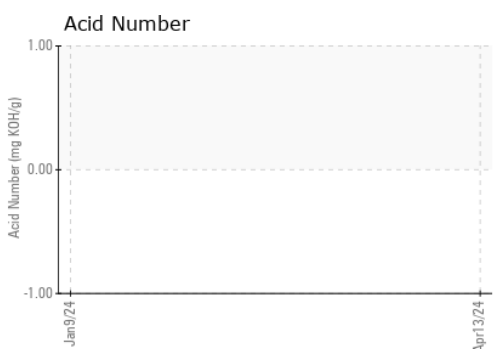
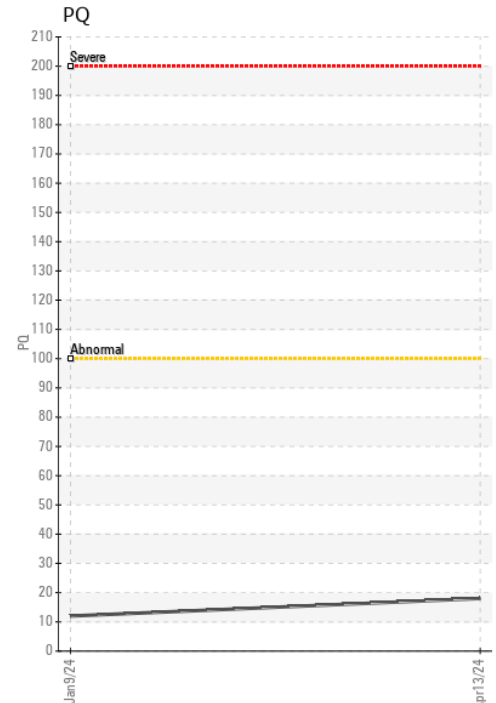
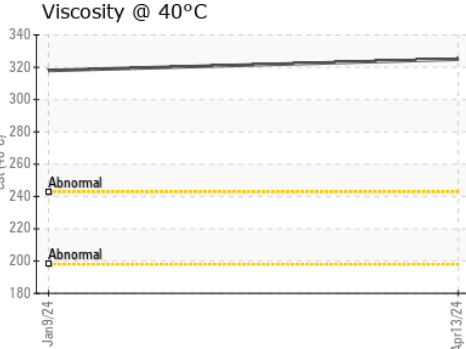
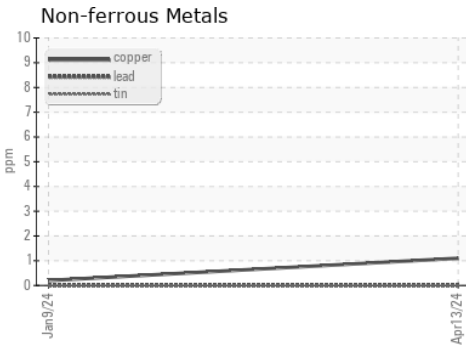
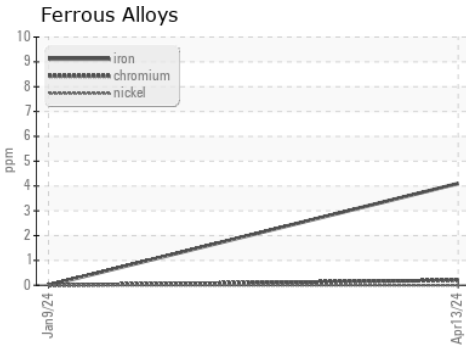
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	325	318	---
Visc @ 100°C	cSt	ASTM D445	23.6	23.1	---
Viscosity Index (VI)	Scale	ASTM D2270	91	90	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60002453 **Received** : 19 Apr 2024
Lab Number : 06155300 **Tested** : 24 Apr 2024
Unique Number : 10990723 **Diagnosed** : 24 Apr 2024 - Sean Felton
Test Package : IND 2 (Additional Tests: KV100, PQ, VI)

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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