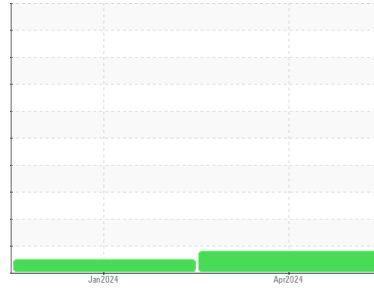


OIL ANALYSIS REPORT

Sample Rating Trend



Area
[101383]
 Machine Id
1GR-Y304B
 Component
Gearbox
 Fluid
OPTIGEAR 1100/220 (--- GAL)

DIAGNOSIS

- Recommendation**
 No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**
 The aluminum level is abnormal. All other 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		TO60002444	TO60000904	---
Sample Date	Client Info		21 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			ABNORMAL	NORMAL	---

CONTAMINATION method limit/base current history1 history2

Water	WC Method	>0.2	NEG	NEG	---
-------	-----------	------	------------	-----	-----

WEAR METALS method limit/base current history1 history2

PQ		ASTM D8184		20	11	---
Iron	ppm	ASTM D5185m	>200	2	0	---
Chromium	ppm	ASTM D5185m	>15	<1	0	---
Nickel	ppm	ASTM D5185m	>15	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	▲ 26	6	---
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		11	5	---
Molybdenum	ppm	ASTM D5185m		3140	1975	---
Manganese	ppm	ASTM D5185m		0	0	---
Magnesium	ppm	ASTM D5185m		0	0	---
Calcium	ppm	ASTM D5185m		145	85	---
Phosphorus	ppm	ASTM D5185m		4071	2998	---
Zinc	ppm	ASTM D5185m		1646	1194	---
Sulfur	ppm	ASTM D5185m		7884	5034	---

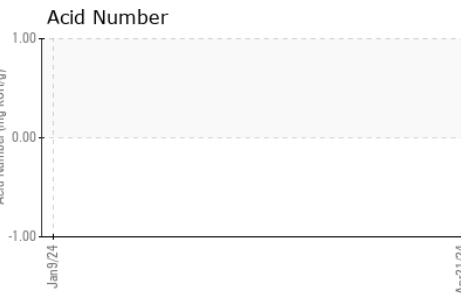
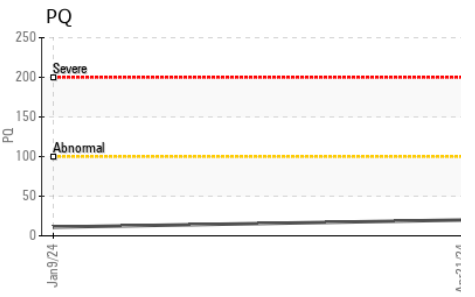
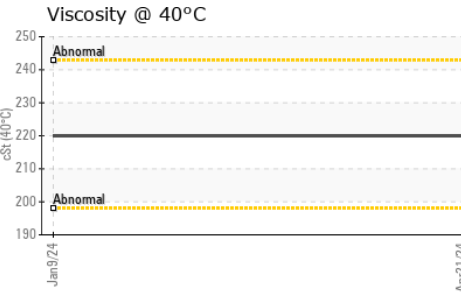
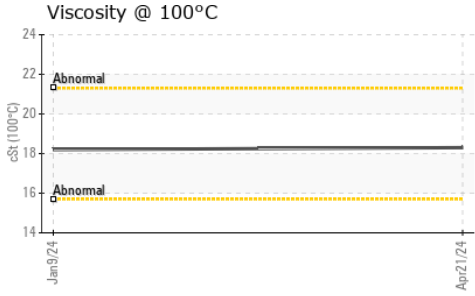
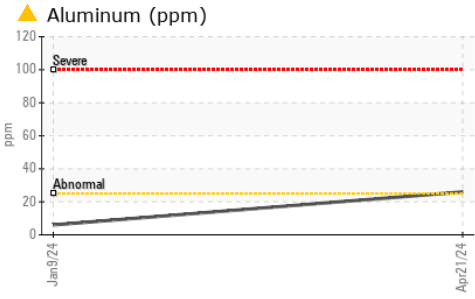
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>50	41	23	---
Sodium	ppm	ASTM D5185m		0	0	---
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	MODER	---
Debris	scalar	*Visual	NONE	LIGHT	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	---

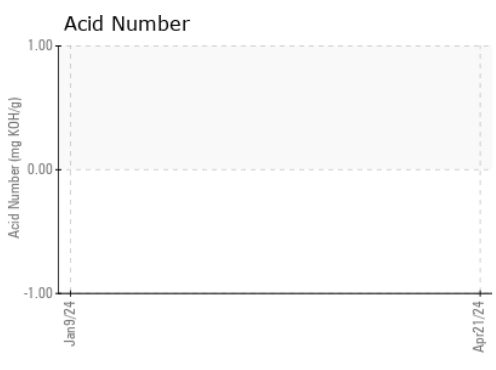
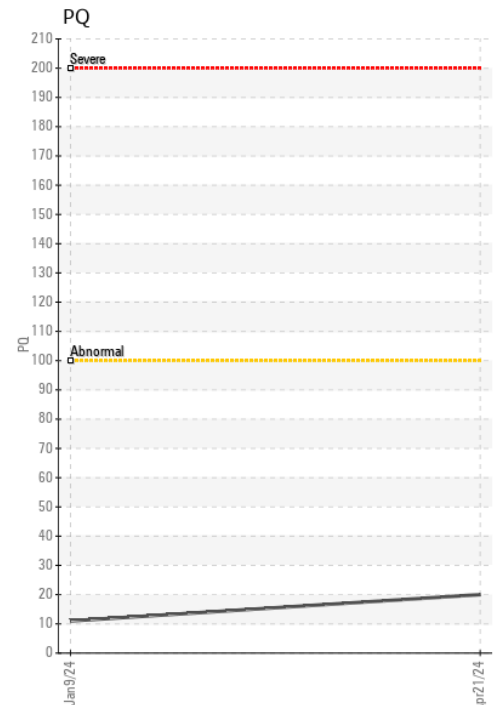
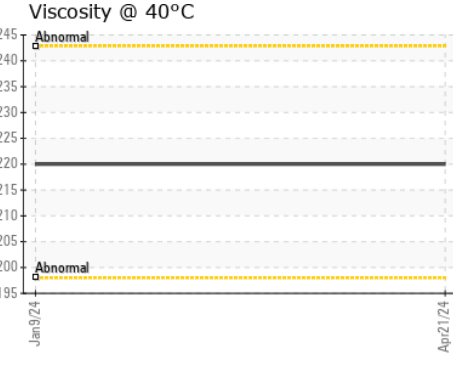
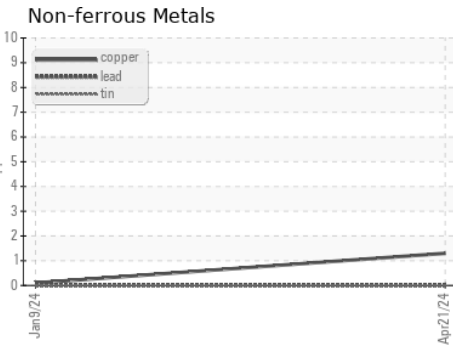
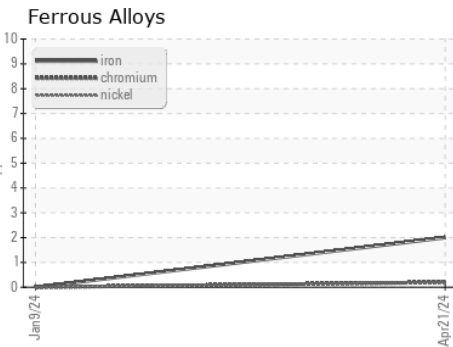
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	220	---
Visc @ 100°C	cSt	ASTM D445	18.3	18.2	---
Viscosity Index (VI)	Scale	ASTM D2270	91	90	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60002444 **Received** : 19 Apr 2024
Lab Number : 06155298 **Tested** : 24 Apr 2024
Unique Number : 10990721 **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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