



PERFORMANCE  
UNDER  
PRESSURE

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

**3**

Component

**Gearbox**

Fluid

**GEAR OIL ISO 220 (--- GAL)**

**RECOMMENDATION**

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

**WEAR**

All component wear rates are normal.

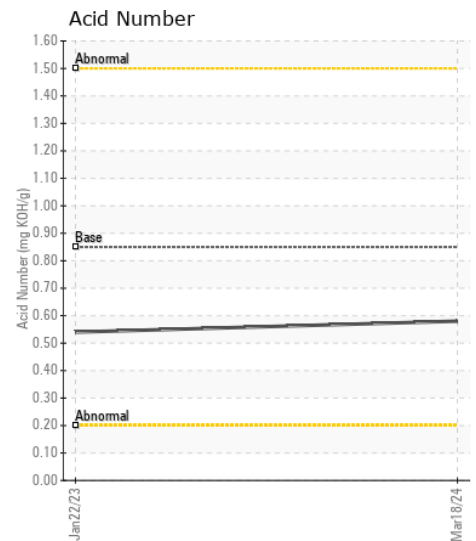
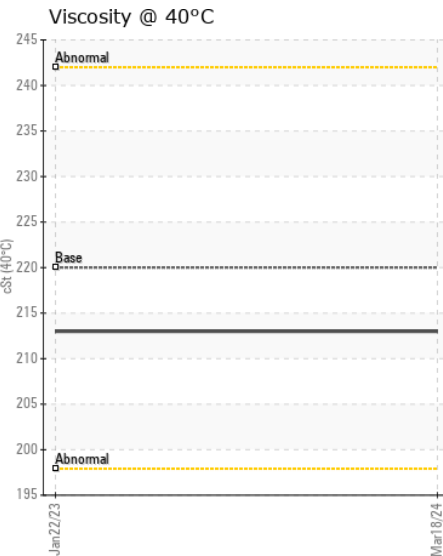
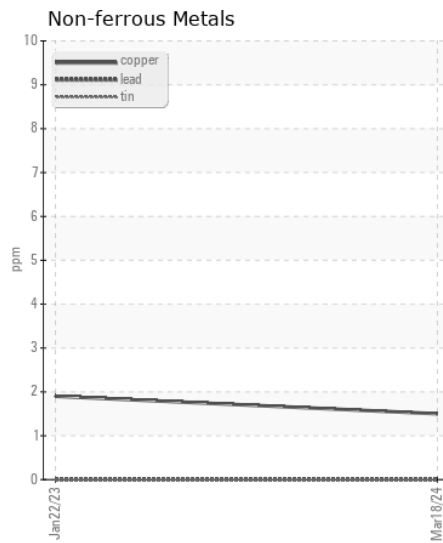
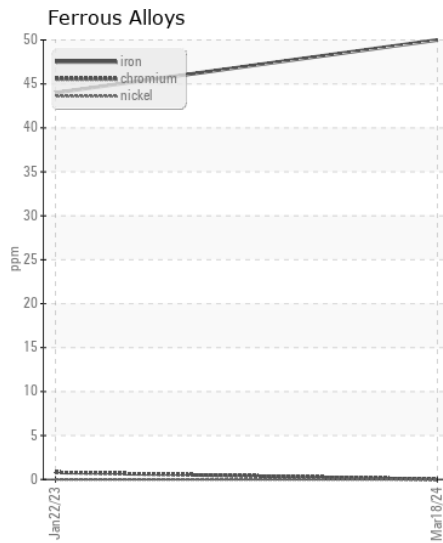
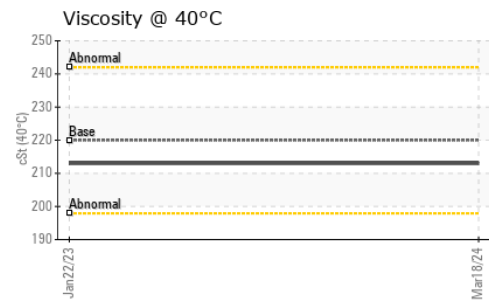
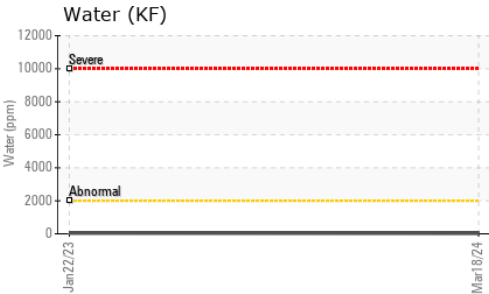
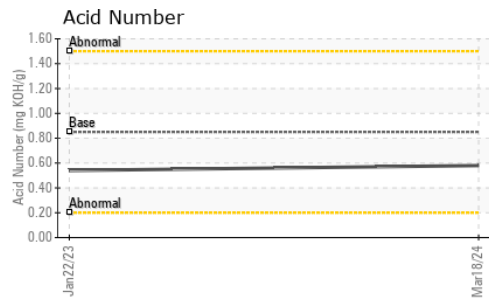
**CONTAMINATION**

The water content is negligible. There is no indication of any contamination in the oil.

**FLUID CONDITION**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RP0034271</b>	RP0029533	---
Sample Date		Client Info		<b>18 Mar 2024</b>	22 Jan 2023	---
Machine Age	hrs	Client Info		<b>0</b>	0	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	N/A	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---
Iron	ppm	ASTM D5185m	>200	<b>50</b>	44	---
Chromium	ppm	ASTM D5185m	>15	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m	>15	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m	>100	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>200	<b>2</b>	2	---
Tin	ppm	ASTM D5185m	>25	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silicon	ppm	ASTM D5185m	>50	<b>7</b>	8	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	---
Water	%	ASTM D6304	>0.2	<b>0.003</b>	0.003	---
ppm Water	ppm	ASTM D6304	>2000	<b>27</b>	38.7	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Boron	ppm	ASTM D5185m	50	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	15	<b>0</b>	1	---
Molybdenum	ppm	ASTM D5185m	15	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m	50	<b>0</b>	<1	---
Calcium	ppm	ASTM D5185m	50	<b>12</b>	13	---
Phosphorus	ppm	ASTM D5185m	350	<b>286</b>	247	---
Zinc	ppm	ASTM D5185m	100	<b>5</b>	8	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	<b>0.58</b>	0.54	---
Visc @ 40°C	cSt	ASTM D445	220	<b>213</b>	213	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : RP0034271

**Lab Number** : 06124336

**Unique Number** : 10938487

**Test Package** : IND 2

**Received** : 20 Mar 2024

**Tested** : 21 Mar 2024

**Diagnosed** : 21 Mar 2024 - Wes Davis

**SUFFIELD WWTF**

844 EAST ST

SUFFIELD, CT

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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)