

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
1GR-Y304B
 Component
Gearbox
 Fluid
CASTROL 1100/220 (--- 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	TO60000904	---	---
Sample Date	Client Info	09 Jan 2024	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

CONTAMINATION method limit/base current history1 history2

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

PQ	ASTM D8184		11	---	---
Iron	ppm ASTM D5185m	>200	0	---	---
Chromium	ppm ASTM D5185m	>15	0	---	---
Nickel	ppm ASTM D5185m	>15	0	---	---
Titanium	ppm ASTM D5185m		0	---	---
Silver	ppm ASTM D5185m		0	---	---
Aluminum	ppm ASTM D5185m	>25	6	---	---
Lead	ppm ASTM D5185m	>100	0	---	---
Copper	ppm ASTM D5185m	>200	<1	---	---
Tin	ppm ASTM D5185m	>25	0	---	---
Vanadium	ppm ASTM D5185m		0	---	---
Cadmium	ppm ASTM D5185m		0	---	---

ADDITIVES method limit/base current history1 history2

Boron	ppm ASTM D5185m		0	---	---
Barium	ppm ASTM D5185m		5	---	---
Molybdenum	ppm ASTM D5185m		1975	---	---
Manganese	ppm ASTM D5185m		0	---	---
Magnesium	ppm ASTM D5185m		0	---	---
Calcium	ppm ASTM D5185m		85	---	---
Phosphorus	ppm ASTM D5185m		2998	---	---
Zinc	ppm ASTM D5185m		1194	---	---
Sulfur	ppm ASTM D5185m		5034	---	---

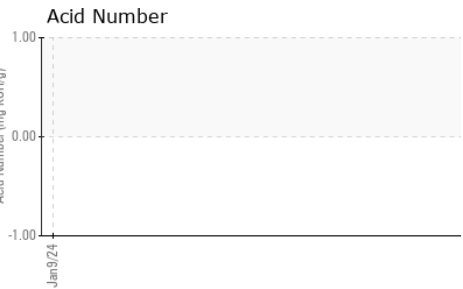
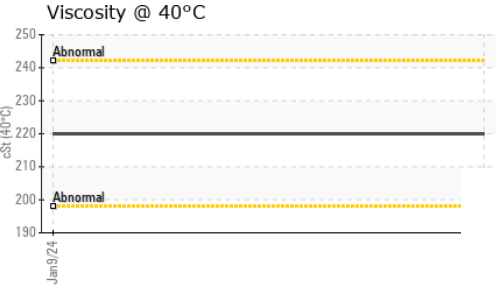
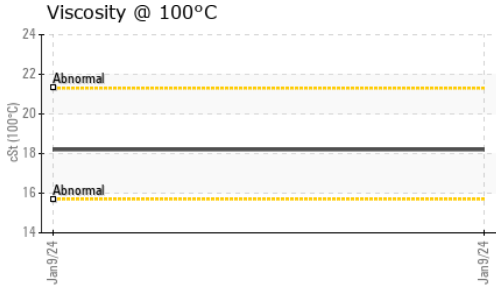
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm ASTM D5185m	>50	23	---	---
Sodium	ppm ASTM D5185m		0	---	---
Potassium	ppm ASTM D5185m	>20	0	---	---


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

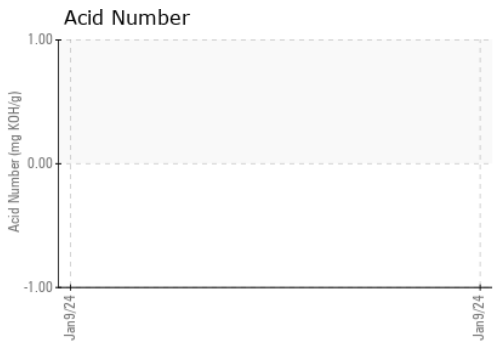
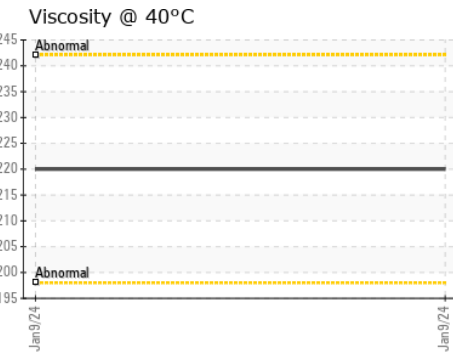
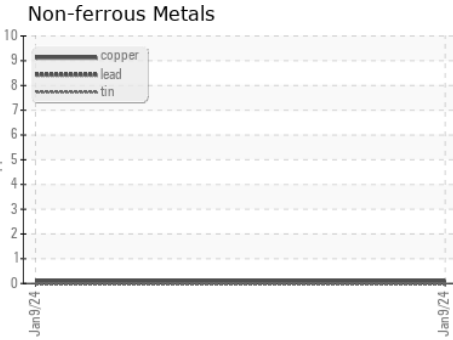
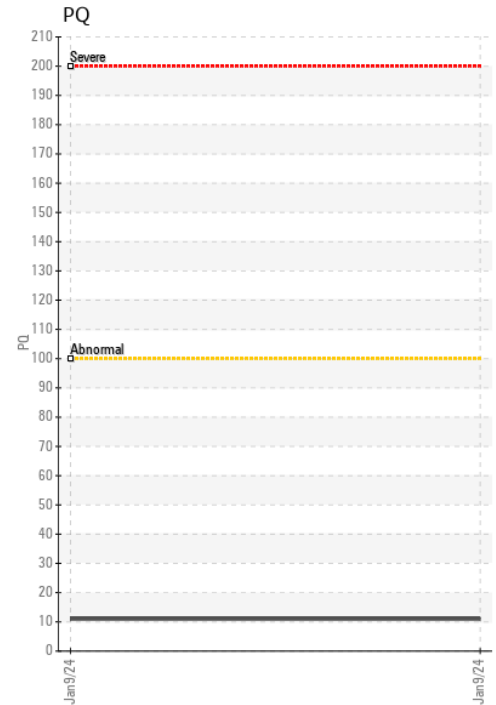
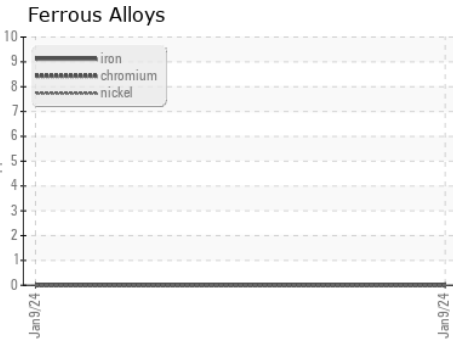
OIL ANALYSIS REPORT



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

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60000904 **Received** : 10 Jan 2024
Lab Number : 06056964 **Diagnosed** : 11 Jan 2024
Unique Number : 10822913 **Diagnostician** : Don Baldrige
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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