



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
4800212
 Component
Gearbox
 Fluid
GEAR OIL SAE 75W80 (2 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0682010	WCMC145970	---
Sample Date		Client Info		23 Apr 2024	18 Feb 2022	---
Machine Age	hrs	Client Info		0	500	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	SEVERE	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	146	▲ 2784	---
Chromium	ppm	ASTM D5185m	>10	1	▲ 31	---
Nickel	ppm	ASTM D5185m	>10	<1	8	---
Titanium	ppm	ASTM D5185m		1	<1	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>25	6	15	---
Lead	ppm	ASTM D5185m	>50	10	41	---
Copper	ppm	ASTM D5185m	>200	52	▲ 1103	---
Tin	ppm	ASTM D5185m	>10	2	5	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

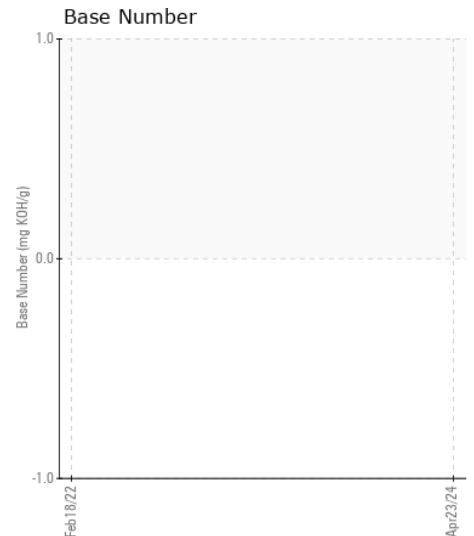
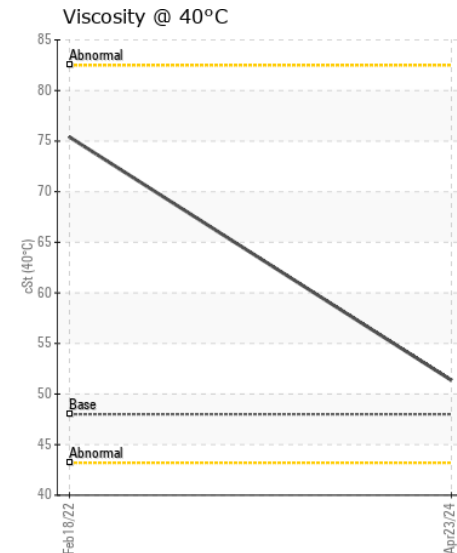
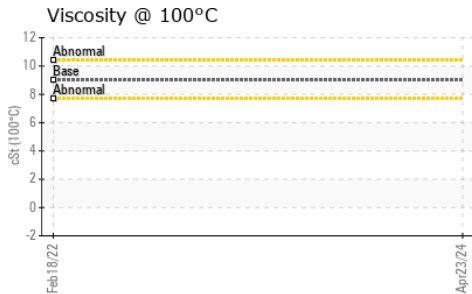
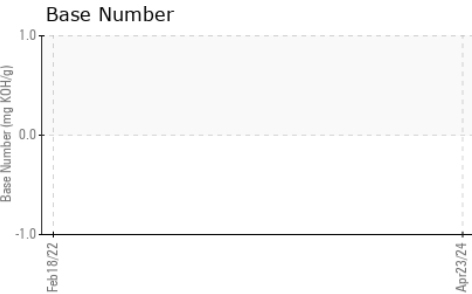
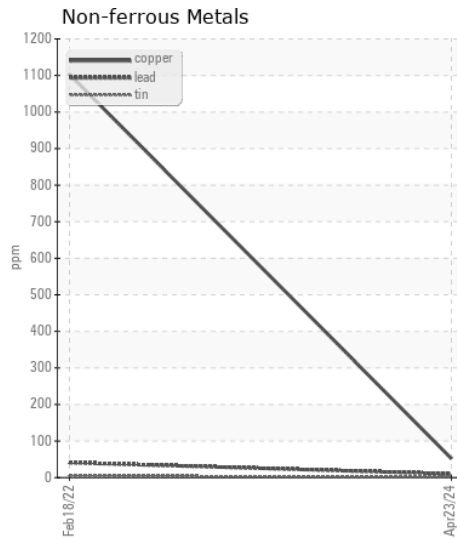
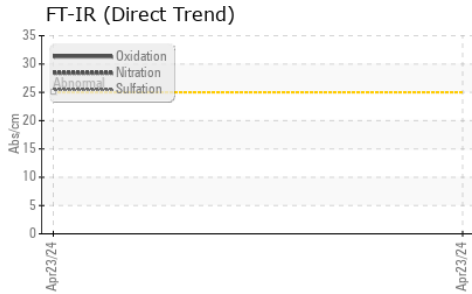
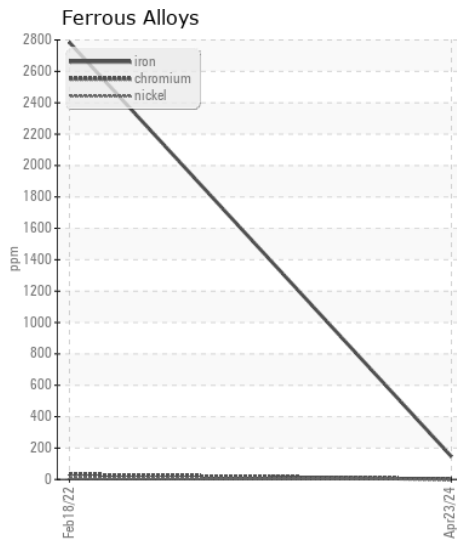
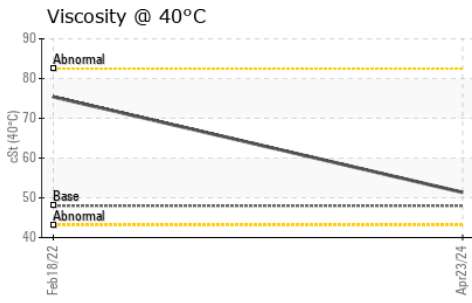
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	6	46	---
Potassium	ppm	ASTM D5185m	>20	4	80	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	● HAZY	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	▲ 0.2%	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		6	418	---
Boron	ppm	ASTM D5185m	400	0	133	---
Barium	ppm	ASTM D5185m	200	1	1203	---
Molybdenum	ppm	ASTM D5185m	12	2	180	---
Manganese	ppm	ASTM D5185m		3	29	---
Magnesium	ppm	ASTM D5185m	12	29	256	---
Calcium	ppm	ASTM D5185m	150	756	933	---
Phosphorus	ppm	ASTM D5185m	1650	498	424	---
Zinc	ppm	ASTM D5185m	125	58	985	---
Sulfur	ppm	ASTM D5185m	22500	2687	2520	---
Visc @ 40°C	cSt	ASTM D445	48	51.36	75.4	---



Certificate L2367

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

Sample No. : WC0682010

Lab Number : 06178136

Unique Number : 11029462

Test Package : CONST (Additional Tests: FT-IR, KV100, TBN, VI)

Received : 13 May 2024

Tested : 17 May 2024

Diagnosed : 17 May 2024 - Jonathan Hester

HAYWARD BAKER INC - ATLASBURG

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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)