



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
HAMM H12i HZ840112
 Component
Right Vibratory Drum Gearbox
 Fluid
{not provided} (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214739	JR0153509	---
Sample Date		Client Info		13 Jun 2024	20 Dec 2022	---
Machine Age	hrs	Client Info		1311	452	---
Oil Age	hrs	Client Info		0	452	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

Bearing and/or gear wear is indicated.

PQ		ASTM D8184		116	100	---
Iron	ppm	ASTM D5185m	>200	▲ 369	192	---
Chromium	ppm	ASTM D5185m	>10	3	2	---
Nickel	ppm	ASTM D5185m	>10	1	0	---
Titanium	ppm	ASTM D5185m		6	4	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		3	2	---
Lead	ppm	ASTM D5185m		7	3	---
Copper	ppm	ASTM D5185m		▲ 156	41	---
Tin	ppm	ASTM D5185m		2	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

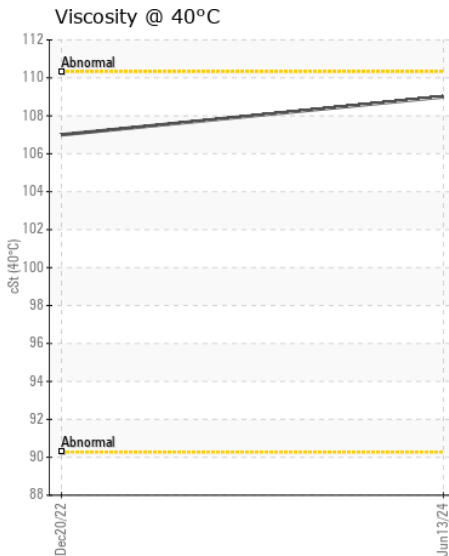
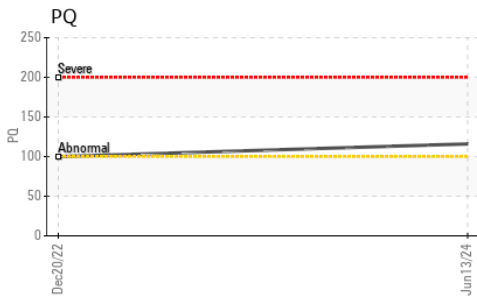
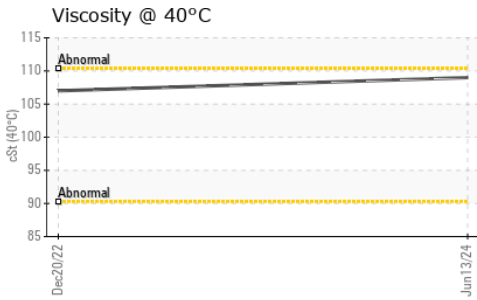
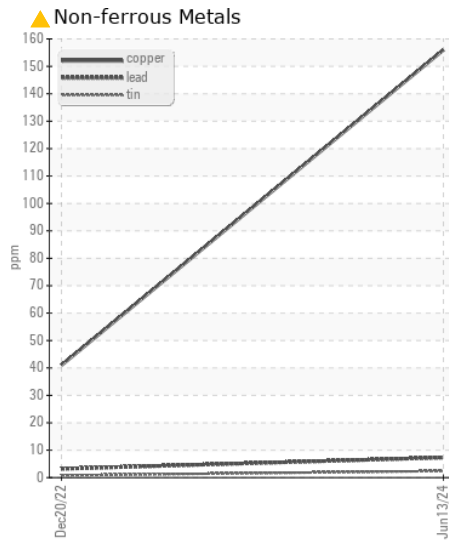
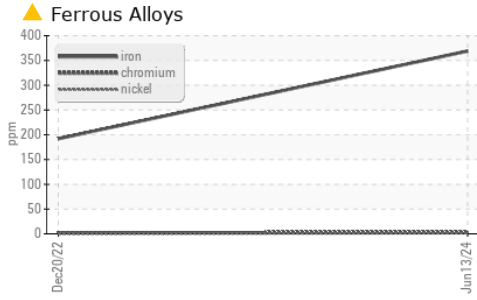
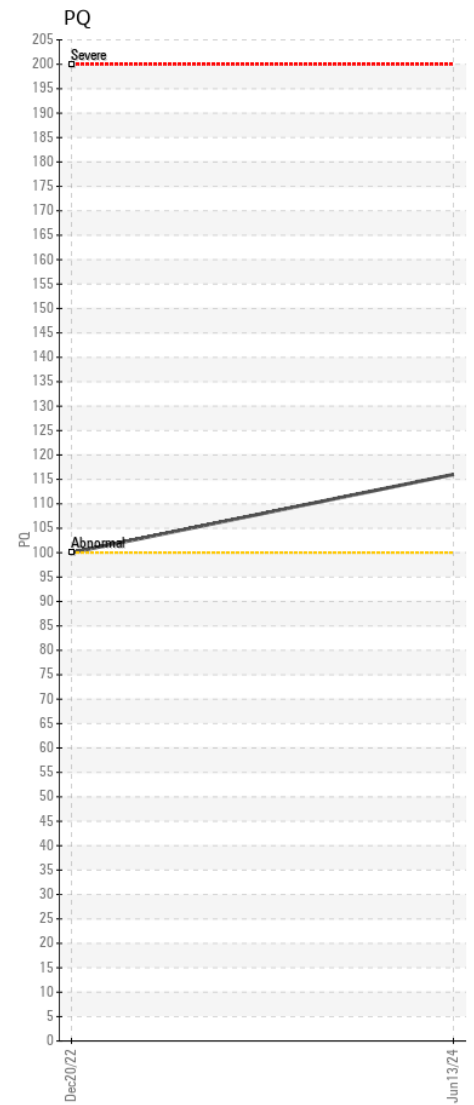
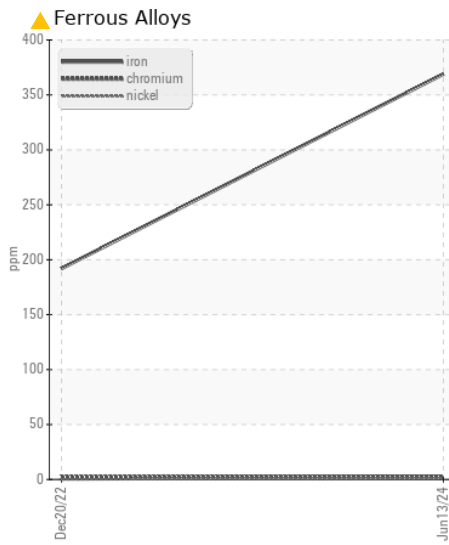
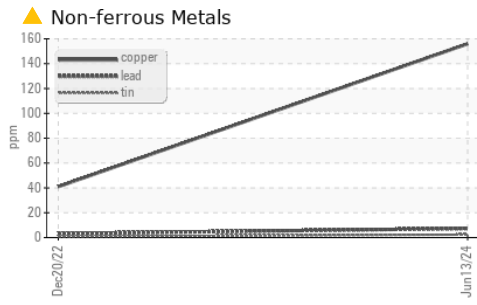
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		29	21	---
Potassium	ppm	ASTM D5185m	>20	4	2	---
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	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		8	3	---
Boron	ppm	ASTM D5185m		29	58	---
Barium	ppm	ASTM D5185m		12	7	---
Molybdenum	ppm	ASTM D5185m		<1	2	---
Manganese	ppm	ASTM D5185m		2	<1	---
Magnesium	ppm	ASTM D5185m		10	6	---
Calcium	ppm	ASTM D5185m		79	38	---
Phosphorus	ppm	ASTM D5185m		1165	1144	---
Zinc	ppm	ASTM D5185m		333	93	---
Sulfur	ppm	ASTM D5185m		31202	30781	---
Visc @ 40°C	cSt	ASTM D445		109	107	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214739 **Received** : 17 Jun 2024
Lab Number : 06212064 **Tested** : 18 Jun 2024
Unique Number : 11084928 **Diagnosed** : 19 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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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)