



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[SPARTAN RENTAL]
 Machine Id
HAMM H12iP H284.0289 (S/N WGH0H284VAA00289)
 Component
Left Vibratory Drum Gearbox
 Fluid
HAMM GEAR OIL (--- PNT)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214597	JR0181855	---
Sample Date		Client Info		30 May 2024	12 Jun 2023	---
Machine Age	hrs	Client Info		1473	805	---
Oil Age	hrs	Client Info		1473	805	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		207	206	---
Iron	ppm	ASTM D5185m	>200	2	▲ 1457	---
Chromium	ppm	ASTM D5185m	>10	<1	7	---
Nickel	ppm	ASTM D5185m	>10	<1	1	---
Titanium	ppm	ASTM D5185m		<1	5	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m		9	4	---
Lead	ppm	ASTM D5185m		0	6	---
Copper	ppm	ASTM D5185m		<1	89	---
Tin	ppm	ASTM D5185m		<1	2	---
Vanadium	ppm	ASTM D5185m		1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

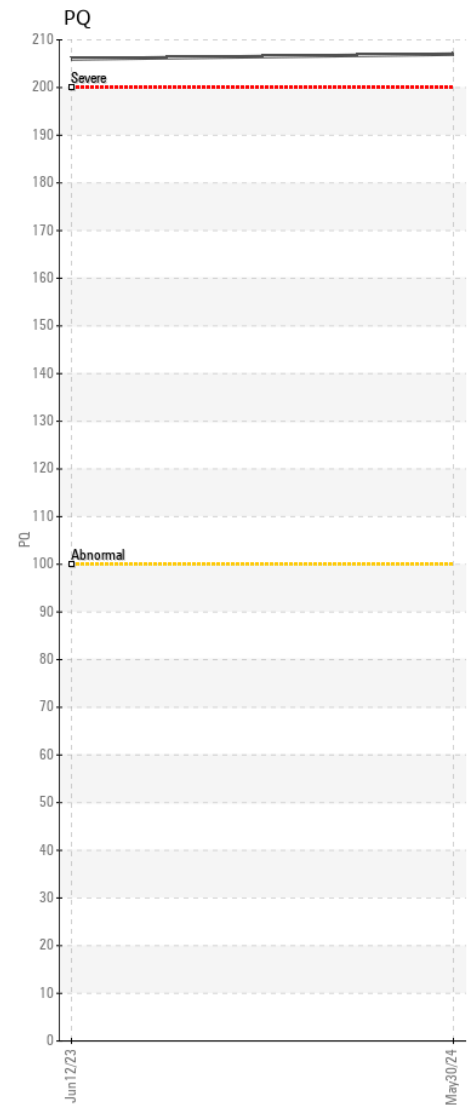
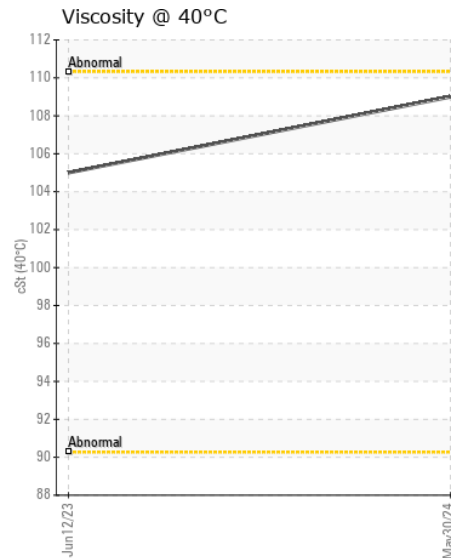
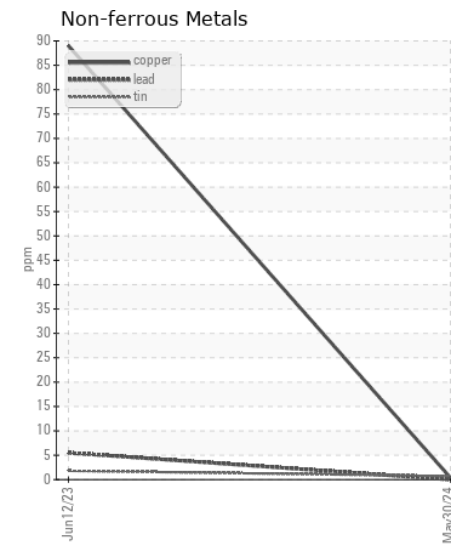
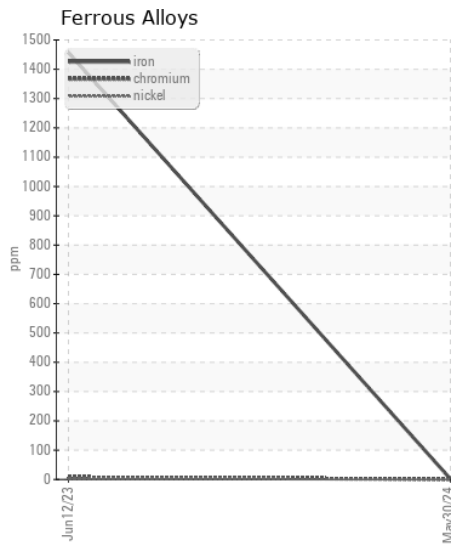
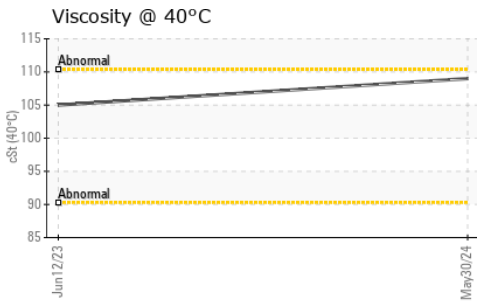
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		2	34	---
Potassium	ppm	ASTM D5185m	>20	7	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		26	9	---
Boron	ppm	ASTM D5185m		0	45	---
Barium	ppm	ASTM D5185m		27	11	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		<1	13	---
Magnesium	ppm	ASTM D5185m		12	8	---
Calcium	ppm	ASTM D5185m		33	43	---
Phosphorus	ppm	ASTM D5185m		18	1248	---
Zinc	ppm	ASTM D5185m		27	241	---
Sulfur	ppm	ASTM D5185m		80	32121	---
Visc @ 40°C	cSt	ASTM D445		109	105	---



Certificate L2367

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

Sample No. : JR0214597

Lab Number : 06196910

Unique Number : 11059033

Test Package : CONST (Additional Tests: PQ)

Received : 31 May 2024

Tested : 03 Jun 2024

Diagnosed : 03 Jun 2024 - Wes Davis

JRE - MANASSAS PARK

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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)