



WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
HAMM H12i HZ840112
 Component
Left Vibratory Drum Gearbox
 Fluid
Wirtgen Gp Special Drum Bearing Oil (--- QTS)

RECOMMENDATION

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214738	JR0153504	---
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				SEVERE	NORMAL	---

WEAR

Gear wear is indicated.

PQ		ASTM D8184		264	84	---
Iron	ppm	ASTM D5185m	>200	▲ 695	196	---
Chromium	ppm	ASTM D5185m	>10	6	2	---
Nickel	ppm	ASTM D5185m	>10	2	0	---
Titanium	ppm	ASTM D5185m		5	4	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		4	2	---
Lead	ppm	ASTM D5185m		7	3	---
Copper	ppm	ASTM D5185m		150	42	---
Tin	ppm	ASTM D5185m		2	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

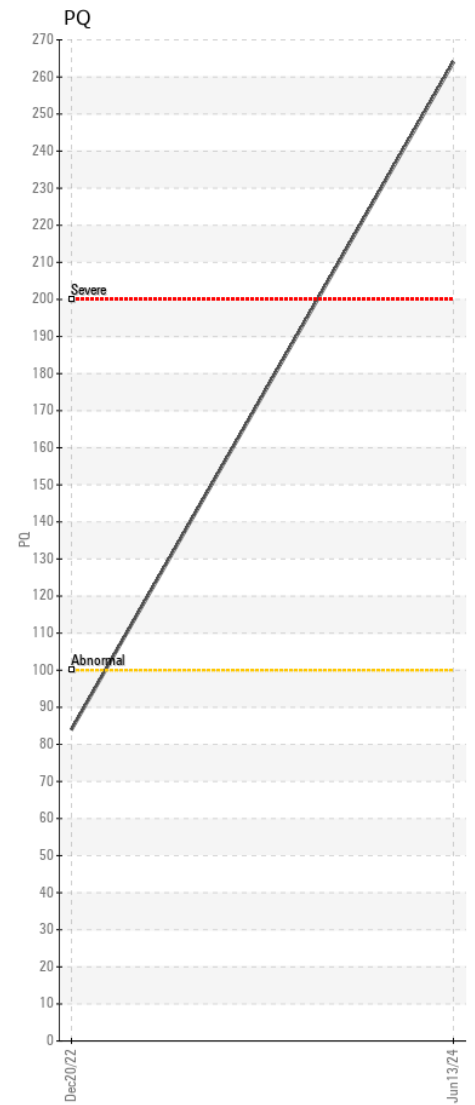
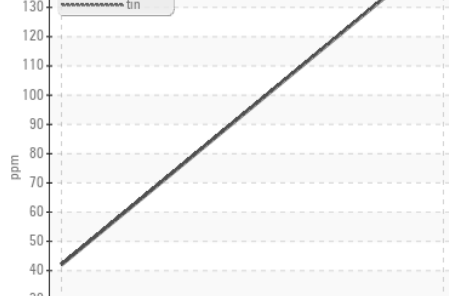
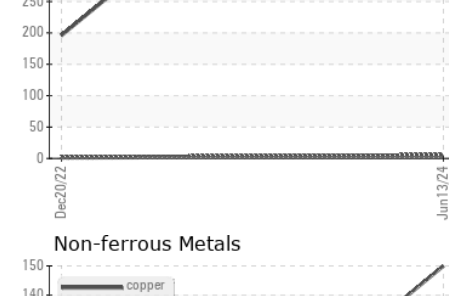
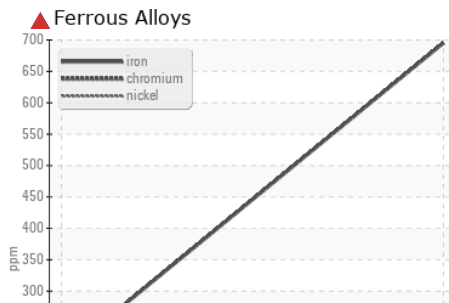
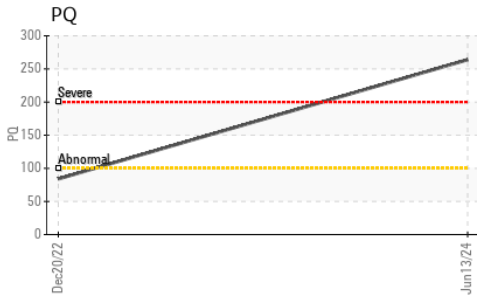
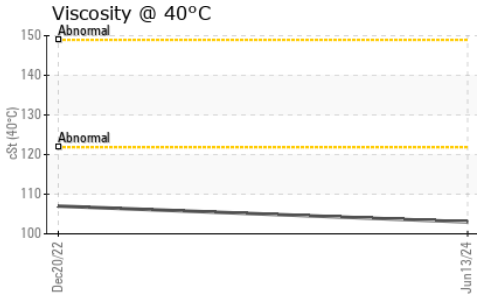
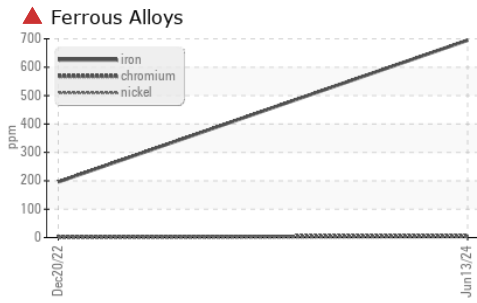
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		40	20	---
Potassium	ppm	ASTM D5185m	>20	6	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		11	3	---
Boron	ppm	ASTM D5185m		18	59	---
Barium	ppm	ASTM D5185m		13	7	---
Molybdenum	ppm	ASTM D5185m		<1	2	---
Manganese	ppm	ASTM D5185m		4	<1	---
Magnesium	ppm	ASTM D5185m		8	6	---
Calcium	ppm	ASTM D5185m		38	54	---
Phosphorus	ppm	ASTM D5185m		1184	1150	---
Zinc	ppm	ASTM D5185m		354	99	---
Sulfur	ppm	ASTM D5185m		31232	32341	---
Visc @ 40°C	cSt	ASTM D445		103	107	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214738
Lab Number : 06212066
Unique Number : 11084930
Test Package : CONST (Additional Tests: PQ)

Received : 17 Jun 2024
Tested : 18 Jun 2024
Diagnosed : 19 Jun 2024 - Sean Felton

B & S SITE DEVELOPMENT
 7800 PINEY BRANCH LANE
 BRISTOW, VA
 US 20136

Contact: DANNY HUFF
 dhuff@bandssite.com

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)

T: (540)270-3203
 F: (703)753-0605