



WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[47004]

Machine Id

HAMM H12I H2840096

Component

Drum Gearbox

Fluid

Wirtgen Gp Special Drum Bearing Oil (2 QTS)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated. Bearing and/or bushing wear is indicated. Component wear metal level(s) high for break in.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

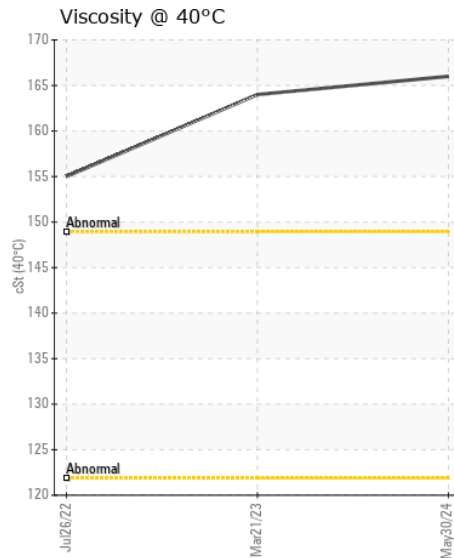
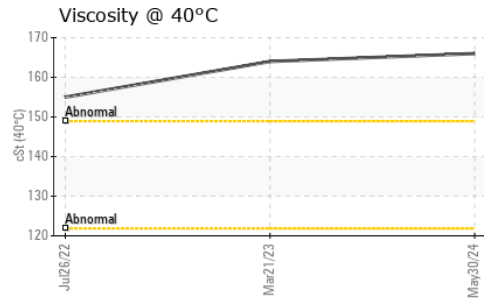
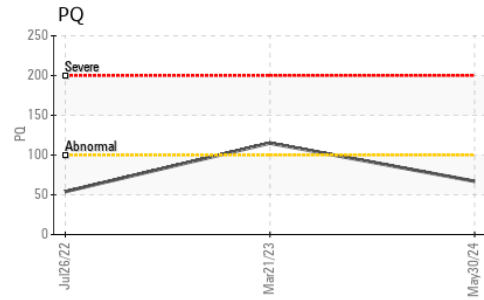
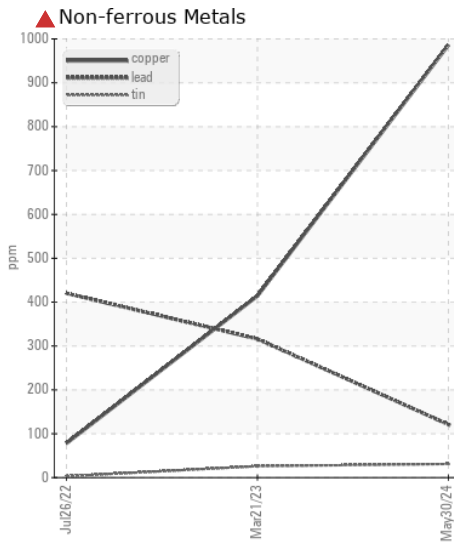
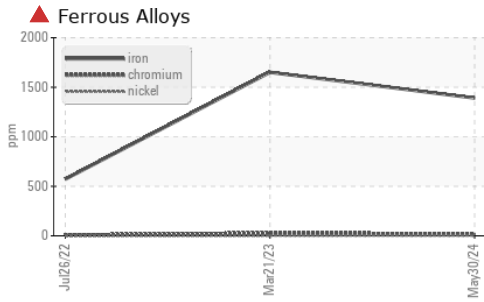
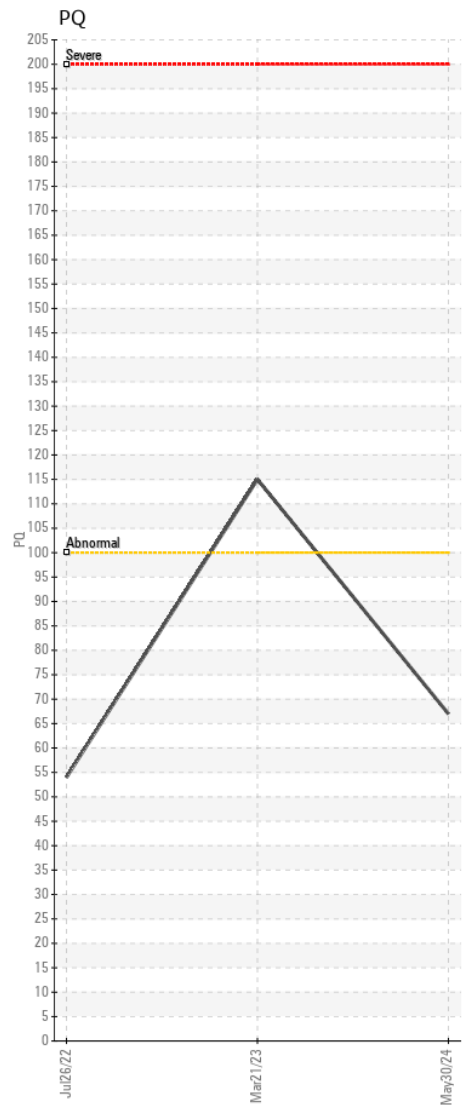
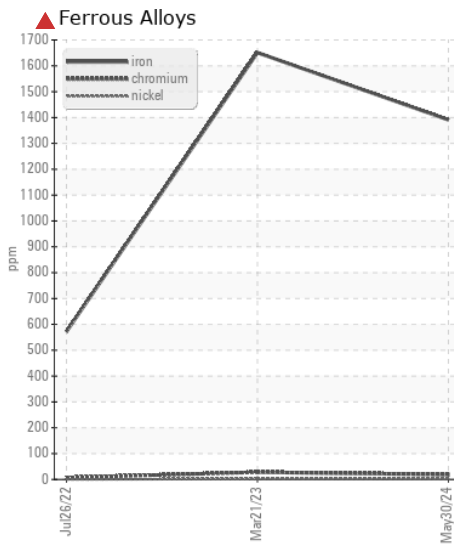
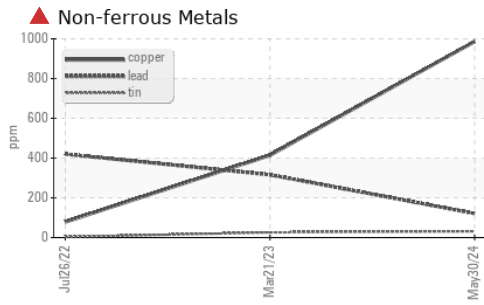
The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217620	JR0149632	JR0137211
Sample Date		Client Info		30 May 2024	21 Mar 2023	26 Jul 2022
Machine Age	hrs	Client Info		1629	945	498
Oil Age	hrs	Client Info		684	0	498
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				SEVERE	ABNORMAL	ABNORMAL

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		67	115	54
Iron	ppm	ASTM D5185m	>200	▲ 1391	▲ 1651	572
Chromium	ppm	ASTM D5185m	>10	▲ 19	▲ 28	7
Nickel	ppm	ASTM D5185m	>10	2	2	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m		1	4	1
Lead	ppm	ASTM D5185m		▲ 121	▲ 316	▲ 420
Copper	ppm	ASTM D5185m		▲ 986	▲ 414	▲ 78
Tin	ppm	ASTM D5185m		▲ 31	▲ 26	3
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m		10	11	6
Potassium	ppm	ASTM D5185m	>20	2	<1	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		3	9	7
Boron	ppm	ASTM D5185m		105	32	52
Barium	ppm	ASTM D5185m		6	12	12
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		11	16	6
Magnesium	ppm	ASTM D5185m		4	3	3
Calcium	ppm	ASTM D5185m		85	10	37
Phosphorus	ppm	ASTM D5185m		1437	1095	1104
Zinc	ppm	ASTM D5185m		86	99	86
Sulfur	ppm	ASTM D5185m		29173	27363	28734
Visc @ 40°C	cSt	ASTM D445		166	164	155



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217620 **Received** : 31 May 2024
Lab Number : 06196935 **Tested** : 03 Jun 2024
Unique Number : 11059058 **Diagnosed** : 04 Jun 2024 - Don Baldrige
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)