



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
HAMM H12IP H284.0055 (S/N H284-0053)
 Component
Left Vibratory Drum Gearbox
 Fluid
WIRTGEN (--- QTS)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218065	JR0187682	JR0182093
Sample Date		Client Info		17 Jun 2024	15 Sep 2023	12 Jul 2023
Machine Age	hrs	Client Info		1975	1436	1327
Oil Age	hrs	Client Info		0	109	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL

WEAR

Bearing and/or gear wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		156	181	243
Iron	ppm	ASTM D5185m	>200	▲ 347	220	▲ 646
Chromium	ppm	ASTM D5185m	>10	2	1	4
Nickel	ppm	ASTM D5185m	>10	<1	<1	1
Titanium	ppm	ASTM D5185m		2	2	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		2	3	4
Lead	ppm	ASTM D5185m		3	2	4
Copper	ppm	ASTM D5185m		▲ 165	89	▲ 184
Tin	ppm	ASTM D5185m		<1	<1	1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

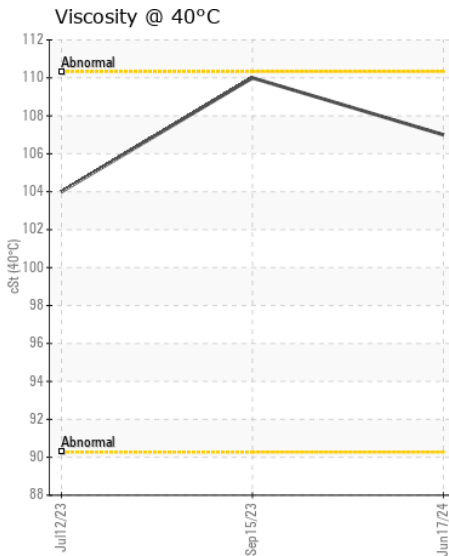
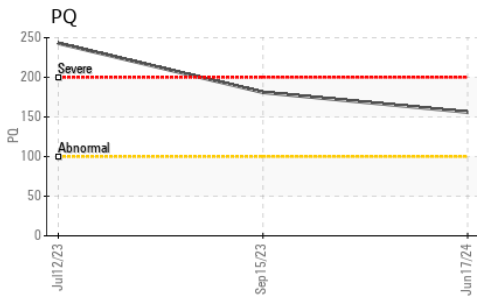
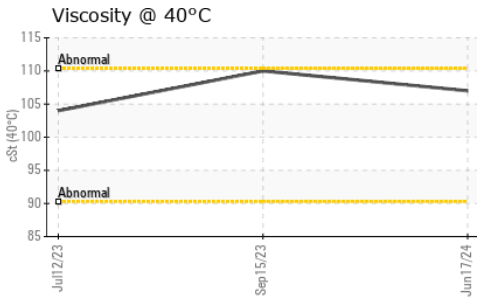
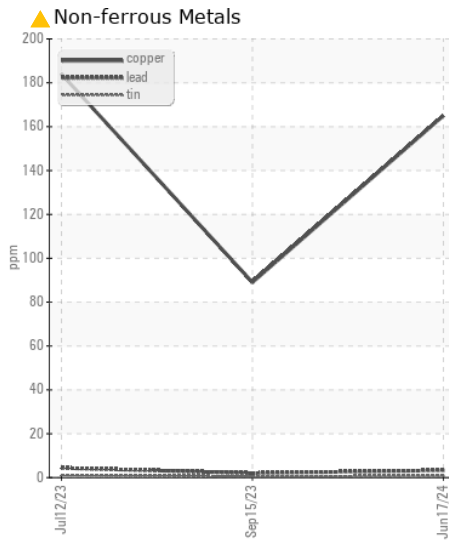
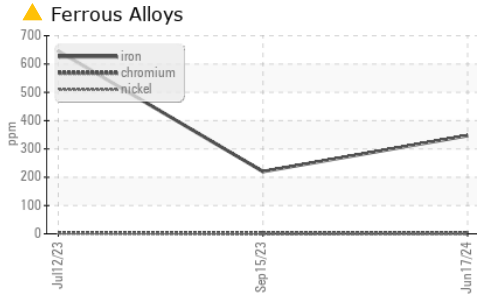
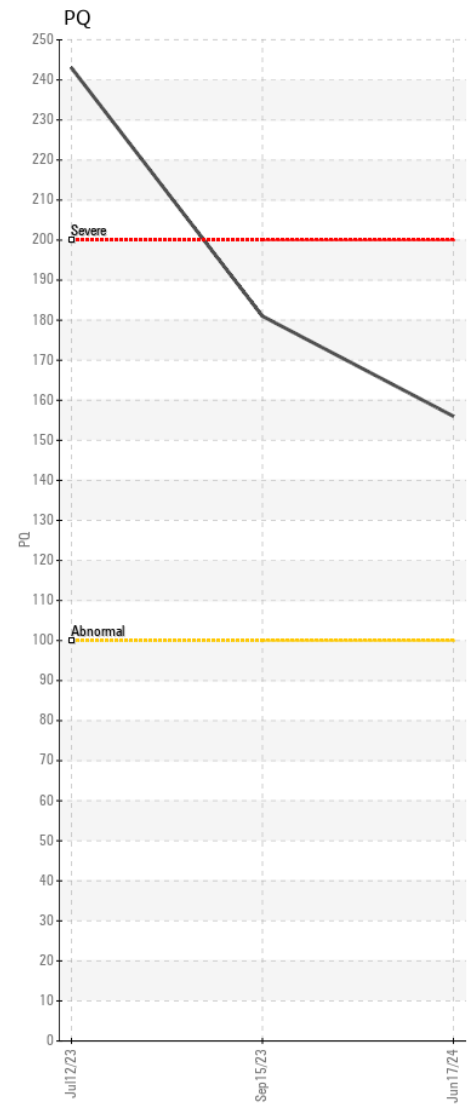
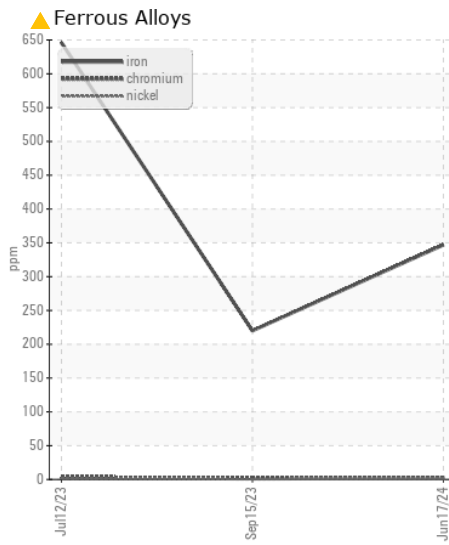
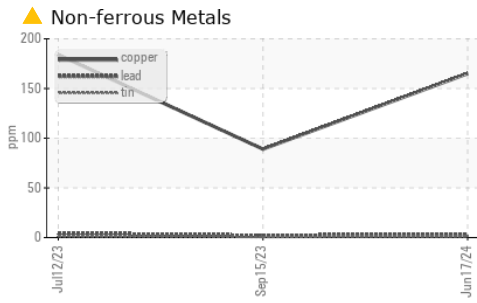
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m		14	13	26
Potassium	ppm	ASTM D5185m	>20	3	3	3
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT	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

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		2	4	12
Boron	ppm	ASTM D5185m		71	118	25
Barium	ppm	ASTM D5185m		2	0	6
Molybdenum	ppm	ASTM D5185m		<1	<1	1
Manganese	ppm	ASTM D5185m		1	2	4
Magnesium	ppm	ASTM D5185m		2	0	8
Calcium	ppm	ASTM D5185m		0	13	36
Phosphorus	ppm	ASTM D5185m		1205	1294	1237
Zinc	ppm	ASTM D5185m		165	76	520
Sulfur	ppm	ASTM D5185m		26040	25056	31521
Visc @ 40°C	cSt	ASTM D445		107	110	104



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218065 **Received** : 18 Jun 2024
Lab Number : 06213832 **Tested** : 20 Jun 2024
Unique Number : 11086696 **Diagnosed** : 20 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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

Contact: DANNY HUFF
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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)

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