



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
HAMM H12IP H284.0146 (S/N H284-0146)
 Component
Right Vibratory Drum Gearbox
 Fluid
WIRTGEN (--- GAL)

RECOMMENDATION

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		JR0218249	JR0181834	JR0160420
Sample Date		Client Info		17 Jun 2024	20 Jul 2023	26 Jan 2023
Machine Age	hrs	Client Info		1450	965	440
Oil Age	hrs	Client Info		0	0	440
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

The iron level is abnormal. All other component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		85	82	73
Iron	ppm	ASTM D5185m	>200	▲ 379	▲ 294	106
Chromium	ppm	ASTM D5185m	>10	2	2	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		4	5	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		2	3	2
Lead	ppm	ASTM D5185m		1	6	2
Copper	ppm	ASTM D5185m		48	92	39
Tin	ppm	ASTM D5185m		0	2	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

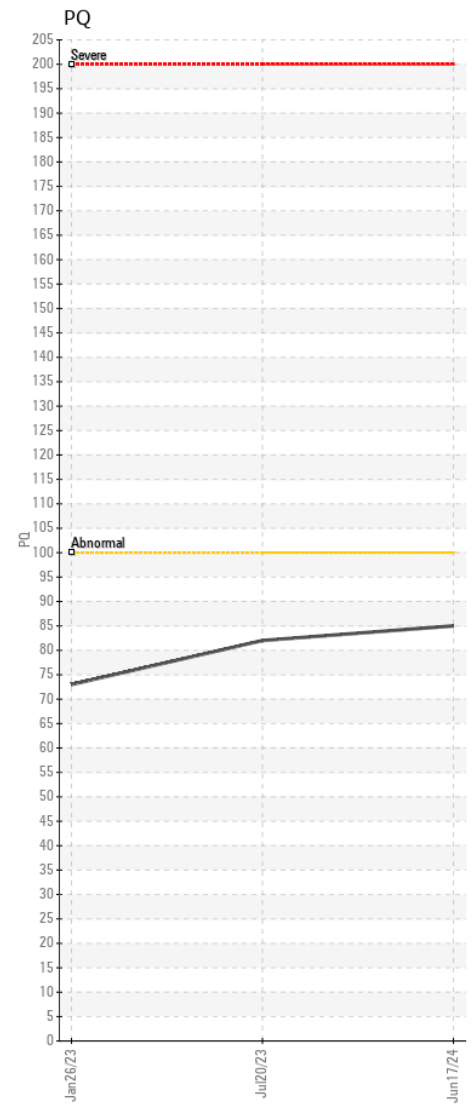
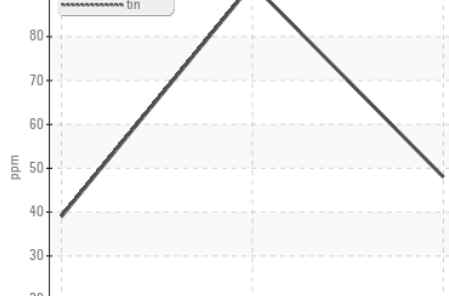
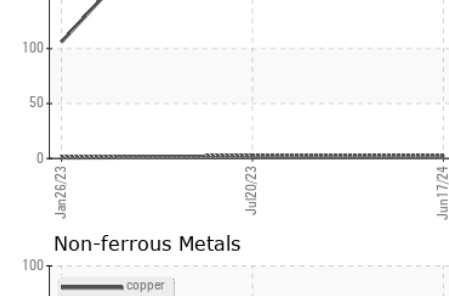
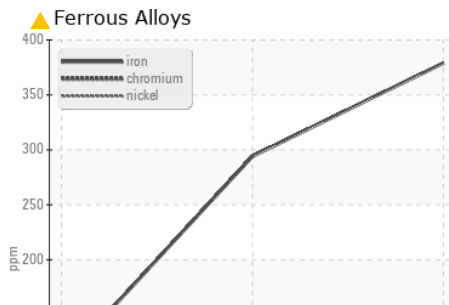
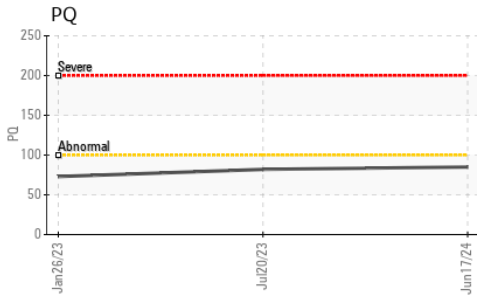
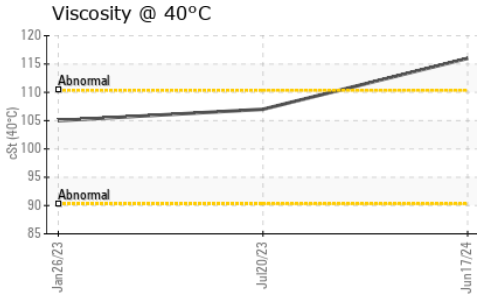
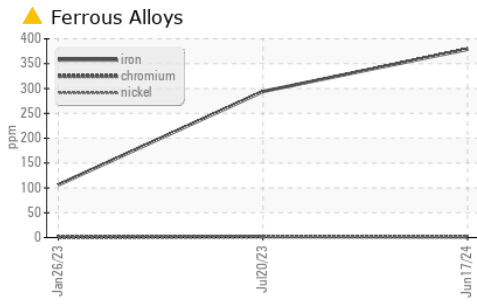
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		12	18	8
Potassium	ppm	ASTM D5185m	>20	1	2	0
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	7	6
Boron	ppm	ASTM D5185m		79	111	98
Barium	ppm	ASTM D5185m		96	14	9
Molybdenum	ppm	ASTM D5185m		46	2	2
Manganese	ppm	ASTM D5185m		3	2	<1
Magnesium	ppm	ASTM D5185m		139	7	4
Calcium	ppm	ASTM D5185m		333	49	32
Phosphorus	ppm	ASTM D5185m		1136	1400	1163
Zinc	ppm	ASTM D5185m		296	156	59
Sulfur	ppm	ASTM D5185m		20252	32272	28826
Visc @ 40°C	cSt	ASTM D445		116	107	105



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218249 **Received** : 18 Jun 2024
Lab Number : 06213822 **Tested** : 20 Jun 2024
Unique Number : 11086686 **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
 dhuff@bandssite.com
 T: (540)270-3203
 F: (703)753-0605

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)