



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217986	JR0187683	JR0182094
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				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		47	67	74
Iron	ppm	ASTM D5185m	>200	159	101	▲ 335
Chromium	ppm	ASTM D5185m	>10	1	<1	2
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		3	2	5
Silver	ppm	ASTM D5185m		<1	<1	0
Aluminum	ppm	ASTM D5185m		2	2	3
Lead	ppm	ASTM D5185m		2	2	6
Copper	ppm	ASTM D5185m		100	68	▲ 163
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

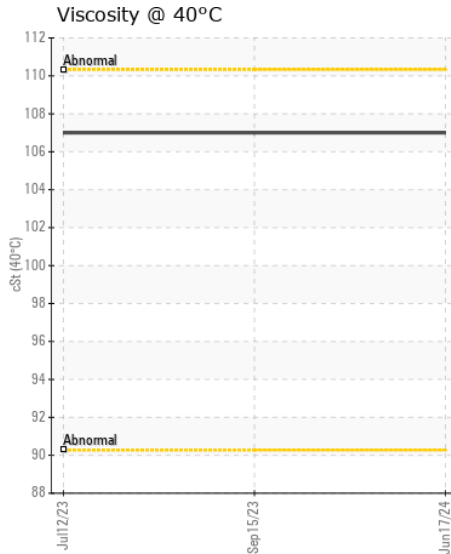
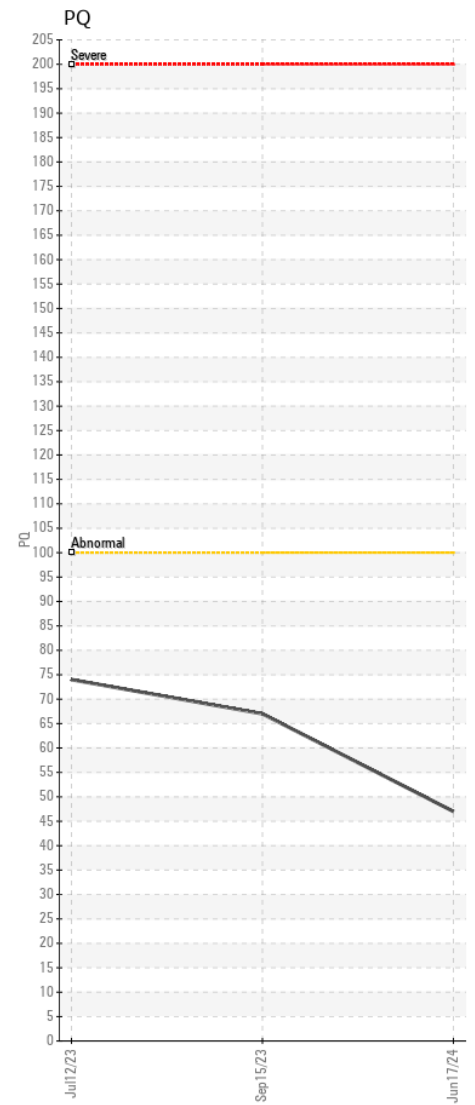
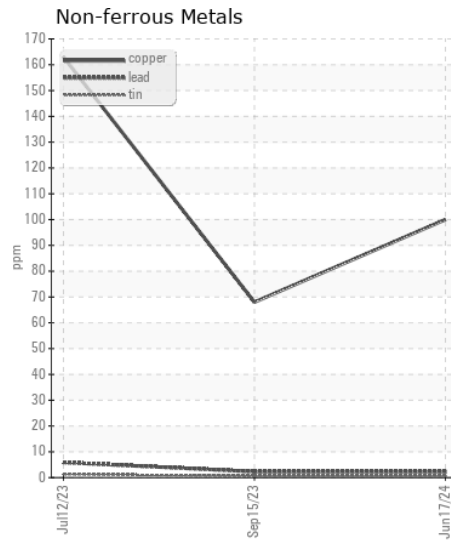
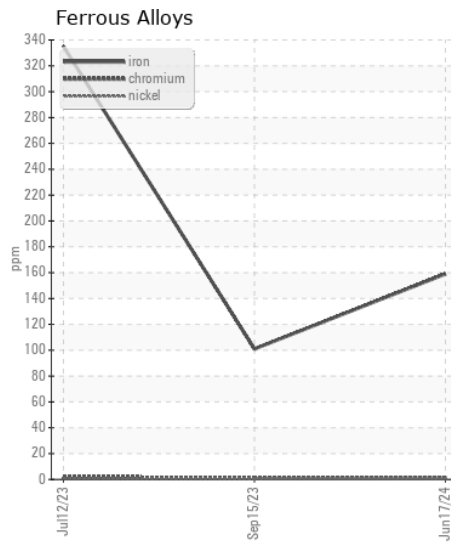
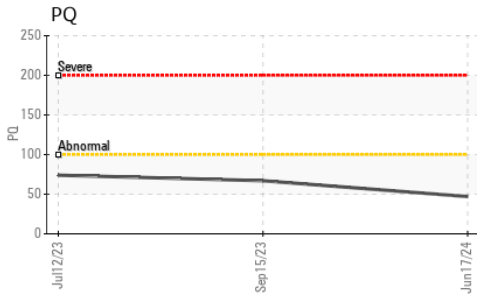
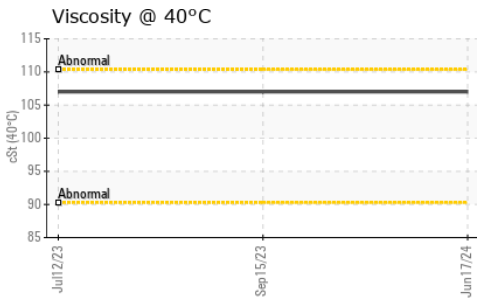
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		12	11	13
Potassium	ppm	ASTM D5185m	>20	2	2	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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.

Sodium	ppm	ASTM D5185m		2	4	10
Boron	ppm	ASTM D5185m		98	137	34
Barium	ppm	ASTM D5185m		2	0	6
Molybdenum	ppm	ASTM D5185m		0	<1	1
Manganese	ppm	ASTM D5185m		<1	1	1
Magnesium	ppm	ASTM D5185m		5	0	5
Calcium	ppm	ASTM D5185m		0	14	29
Phosphorus	ppm	ASTM D5185m		1295	1244	1189
Zinc	ppm	ASTM D5185m		182	76	407
Sulfur	ppm	ASTM D5185m		26086	25056	31553
Visc @ 40°C	cSt	ASTM D445		107	107	107



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217986 **Received** : 18 Jun 2024
Lab Number : 06213829 **Tested** : 20 Jun 2024
Unique Number : 11086693 **Diagnosed** : 20 Jun 2024 - Wes Davis
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)