CONST

James River Equipment

OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
HAMM H12IP H284.0055 - DRIVE (S/N H284-0053)
Component
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.

WEAR

Bearing and/or gear wear is indicated.

CONTAMINATION

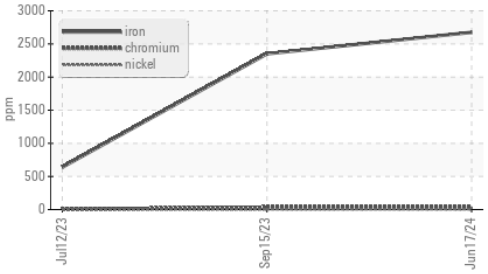
There is no indication of any contamination in the oil.

FLUID CONDITION

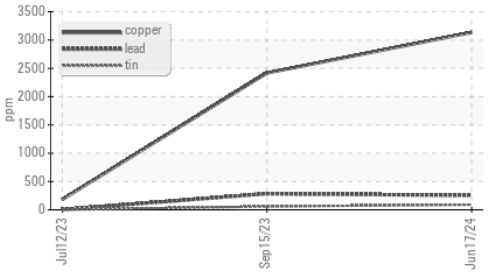
The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214734	JR0187681	JR0182095
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				SEVERE	SEVERE	ABNORMAL
PQ		ASTM D8184		58	53	262
Iron	ppm	ASTM D5185m	>200	▲ 2675	▲ 2351	▲ 639
Chromium	ppm	ASTM D5185m	>10	▲ 39	▲ 36	4
Nickel	ppm	ASTM D5185m	>10	3	2	1
Titanium	ppm	ASTM D5185m		1	1	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		2	5	4
Lead	ppm	ASTM D5185m		255	▲ 284	4
Copper	ppm	ASTM D5185m		▲ 3134	▲ 2418	▲ 183
Tin	ppm	ASTM D5185m		▲ 91	▲ 59	1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m		13	12	26
Potassium	ppm	ASTM D5185m	>20	2	2	3
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	0.2%	NEG
Sodium	ppm	ASTM D5185m		8	10	11
Boron	ppm	ASTM D5185m		35	44	23
Barium	ppm	ASTM D5185m		13	0	6
Molybdenum	ppm	ASTM D5185m		<1	<1	1
Manganese	ppm	ASTM D5185m		20	19	4
Magnesium	ppm	ASTM D5185m		2	0	7
Calcium	ppm	ASTM D5185m		0	12	36
Phosphorus	ppm	ASTM D5185m		997	1113	1230
Zinc	ppm	ASTM D5185m		156	113	511
Sulfur	ppm	ASTM D5185m		19790	25056	31358
Visc @ 40°C	cSt	ASTM D445		158	162	104

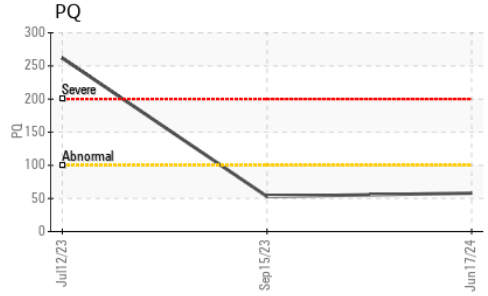
Ferrous Alloys



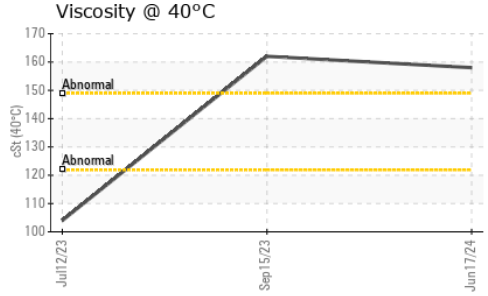
Non-ferrous Metals



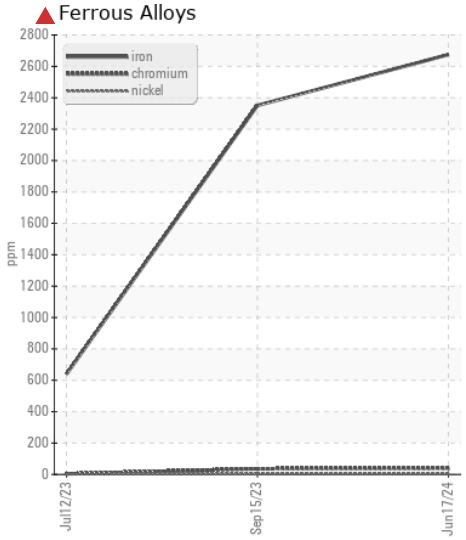
PQ



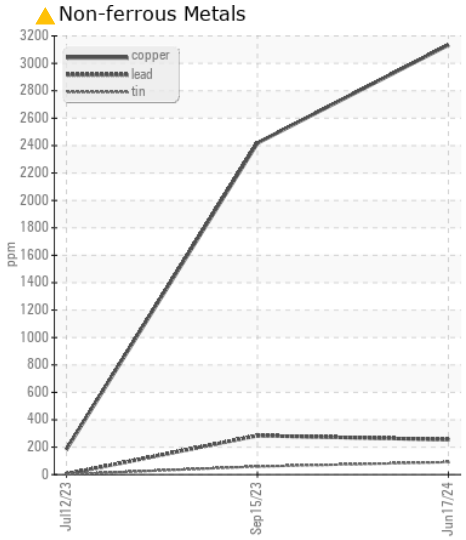
Viscosity @ 40°C



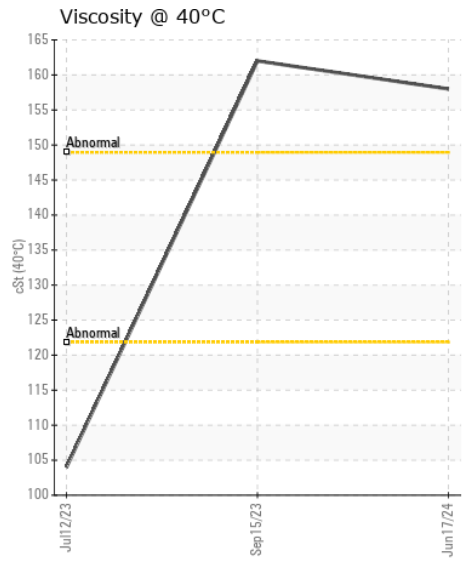
Ferrous Alloys



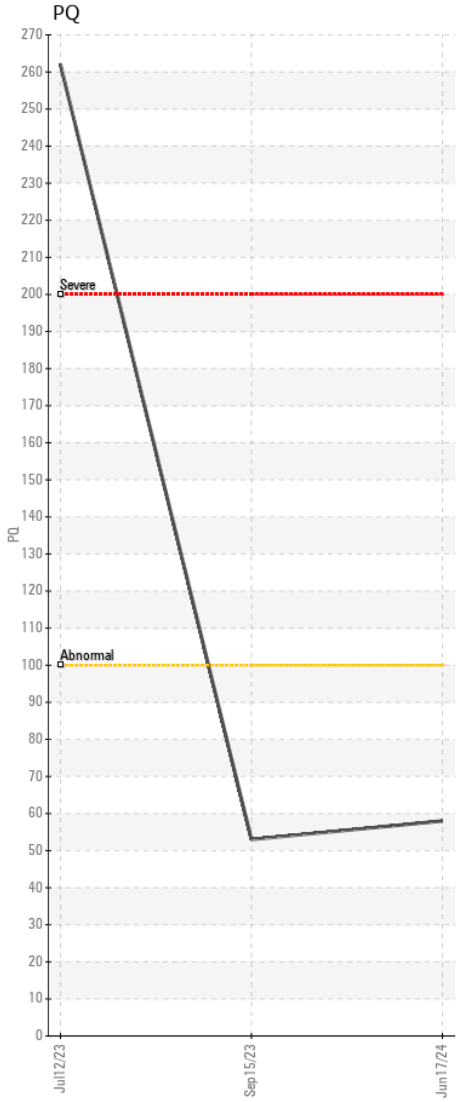
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214734
Lab Number : 06213809
Unique Number : 11086673
Test Package : CONST (Additional Tests: PQ)

Received : 18 Jun 2024
Tested : 20 Jun 2024
Diagnosed : 20 Jun 2024 - Sean Felton

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)

B & S SITE DEVLEOPMENT
7800 PINEY BRANCH LANE
BRISTOW, VA
US 20136
Contact: DANNY HUFF
dhuff@bandssite.com
T: (540)270-3203
F: (703)753-0605