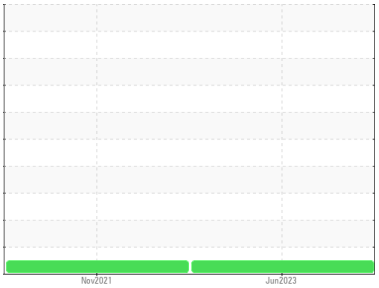
PROBLEM SUMMARY

Sample Rating Trend

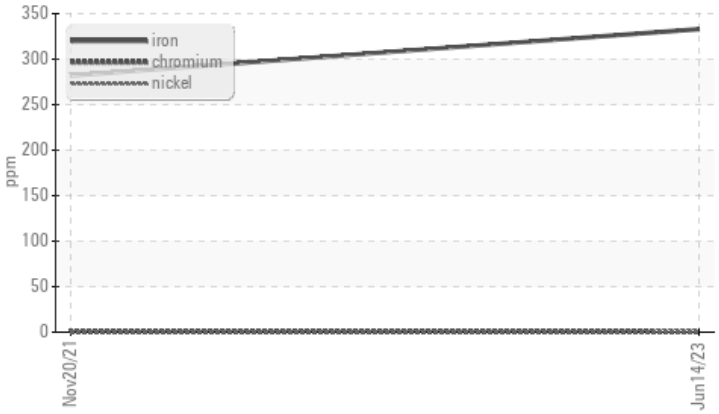


WEAR

Machine Id
1401
Component
Heat Transfer Fluid
Fluid
EASTMAN THERMINOL 55 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

No corrective action is recommended at this time.
Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	ABNORMAL	---
Iron	ppm	ASTM D5185m	>200	▲ **333**	▲ 282	---

Customer Id: BLUGLO
Sample No.: TO10002034
Lab Number: 05881509
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

20 Nov 2021 Diag: Doug Bogart

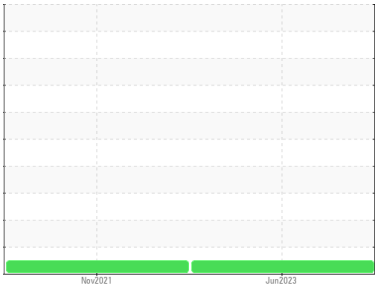
WEAR

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. Please note that this is a corrected copy for diagnostic comment updates.The iron level is abnormal. There is a high amount of visible silt present in the sample. The AN level is acceptable for this fluid.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Machine Id
1401
Component
Heat Transfer Fluid
Fluid
EASTMAN THERMINOL 55 (--- GAL)

DIAGNOSIS

Recommendation
No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear
The iron level is abnormal.

Contamination
There is no indication of any contamination in the fluid.

Fluid Condition
The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**TO10002034**	TO10000607	---
Sample Date		Client Info		**14 Jun 2023**	20 Nov 2021	---
Machine Age	hrs	Client Info		**0**	0	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**N/A**	N/A	---
Sample Status				**ABNORMAL**	ABNORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	▲ **333**	▲ 282	---
Chromium	ppm	ASTM D5185m	>21	**<1**	<1	---
Nickel	ppm	ASTM D5185m	>21	**<1**	0	---
Titanium	ppm	ASTM D5185m	>21	**0**	0	---
Silver	ppm	ASTM D5185m	>21	**0**	0	---
Aluminum	ppm	ASTM D5185m	>21	**<1**	<1	---
Lead	ppm	ASTM D5185m	>21	**<1**	0	---
Copper	ppm	ASTM D5185m	>21	**0**	<1	---
Tin	ppm	ASTM D5185m	>21	**<1**	<1	---
Antimony	ppm	ASTM D5185m	>21	**---**	0	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
Cadmium	ppm	ASTM D5185m		**0**	0	---

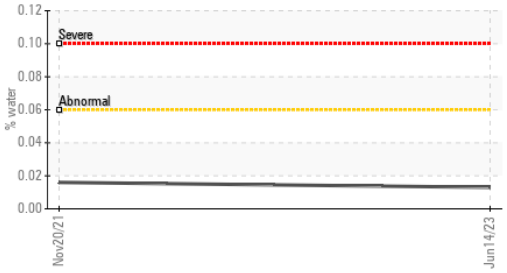
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	0	---
Barium	ppm	ASTM D5185m		**0**	0	---
Molybdenum	ppm	ASTM D5185m		**<1**	0	---
Manganese	ppm	ASTM D5185m		**3**	2	---
Magnesium	ppm	ASTM D5185m		**0**	0	---
Calcium	ppm	ASTM D5185m		**1**	1	---
Phosphorus	ppm	ASTM D5185m		**7**	6	---
Zinc	ppm	ASTM D5185m		**0**	0	---
Sulfur	ppm	ASTM D5185m		**328**	27	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**<1**	<1	---
Sodium	ppm	ASTM D5185m	>21	**<1**	<1	---
Potassium	ppm	ASTM D5185m	>20	**2**	0	---
Water	%	ASTM D6304	>0.0601	**0.013**	0.016	---
ppm Water	ppm	ASTM D6304	>601	**137.6**	163.7	---

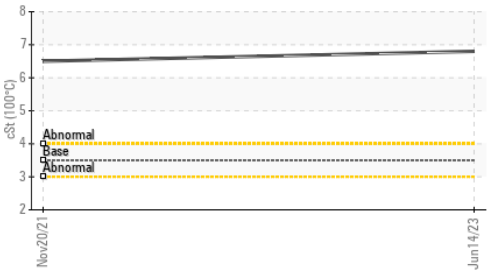
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.36**	0.183	---

OIL ANALYSIS REPORT

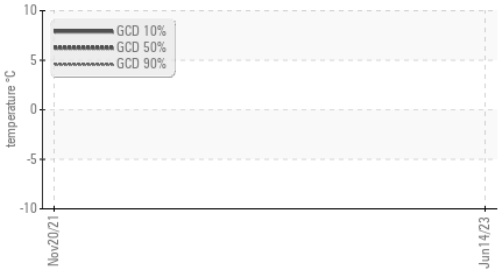
Water



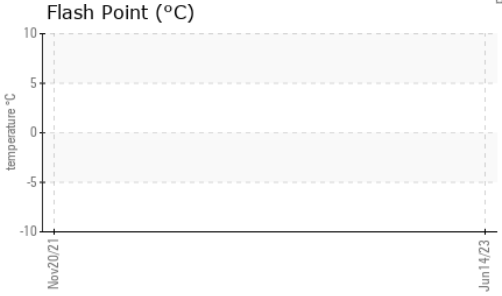
Viscosity @ 100°C



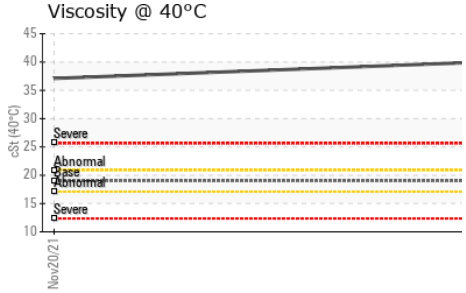
Gas Chromatography (GCD)



Flash Point (°C)

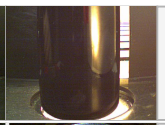
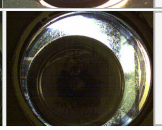


Viscosity @ 40°C



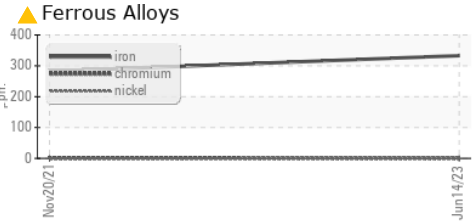
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	▲ HEAVY	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>0.0601	**NEG**	NEG	---
Free Water	scalar	*Visual		**NEG**	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	19	**40.0**	37.1	---
Visc @ 100°C	cSt	ASTM D445	3.5	**6.8**	6.5	---
Viscosity Index (VI)	Scale	ASTM D2270	24	**127**	128	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					*no image*
Bottom					*no image*

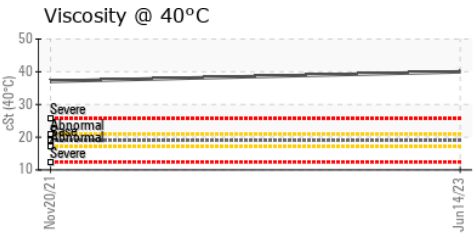
GRAPHS

▲ Ferrous Alloys

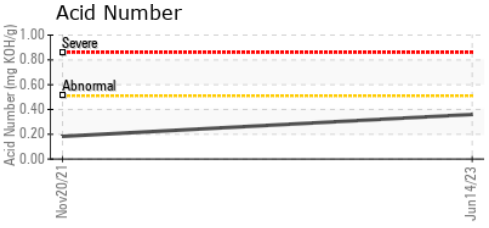


Non-ferrous Metals

Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO10002034 **Received** : 22 Jun 2023
Lab Number : 05881509 **Diagnosed** : 29 Jun 2023
Unique Number : 10526612 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: COC Flash, GCD, KF, KV100, PntInsol, PrtCount, VI)

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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