



OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**ULTRA COOLANT**  
Machine Id  
**CBV580705 - SMS TECH SERV**  
Component  
**Compressor**

**RECOMMENDATION**

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>UCH06159252</b>	UCH06068592	UCH05957716
Sample Date		Client Info		<b>17 Apr 2024</b>	05 Jan 2024	12 Sep 2023
Machine Age	hrs	Client Info		<b>26251</b>	25023	23396
Oil Age	hrs	Client Info		<b>4730</b>	0	1875
Filter Age	hrs	Client Info		<b>1228</b>	0	1875
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>ABNORMAL</b>	ATTENTION	NORMAL

**WEAR**

The iron level is abnormal. The lead level is abnormal.

Iron	ppm	ASTM D5185m	>50	<b>▲ 92</b>	● 71	15
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	0	<1
Nickel	ppm	ASTM D5185m		<b>1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>2</b>	1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	0
Lead	ppm	ASTM D5185m	>25	<b>▲ 53</b>	<1	<1
Copper	ppm	ASTM D5185m	>50	<b>7</b>	6	5
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

There is no indication of any contamination in the oil.

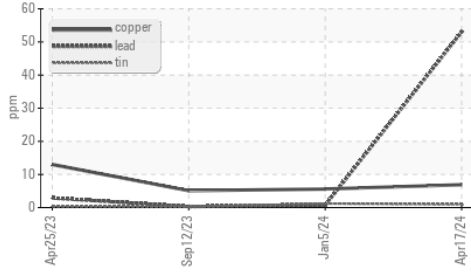
Silicon	ppm	ASTM D5185m	>25	<b>12</b>	8	3
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	4	3
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

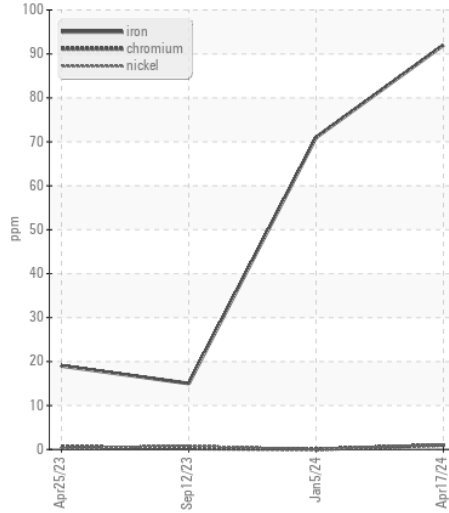
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>64</b>	51	56
Boron	ppm	ASTM D5185m	0	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	500	<b>751</b>	738	663
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>16</b>	12	2
Magnesium	ppm	ASTM D5185m	0	<b>2</b>	2	<1
Calcium	ppm	ASTM D5185m	0	<b>12</b>	7	8
Phosphorus	ppm	ASTM D5185m	20	<b>2</b>	2	3
Zinc	ppm	ASTM D5185m	0	<b>21</b>	13	36
Sulfur	ppm	ASTM D5185m	200	<b>365</b>	376	396
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.20</b>	0.144	0.183
Visc @ 40°C	cSt	ASTM D445	49.4	<b>53.6</b>	52.8	53.2

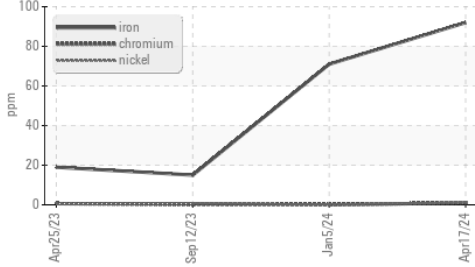
▲ Non-ferrous Metals



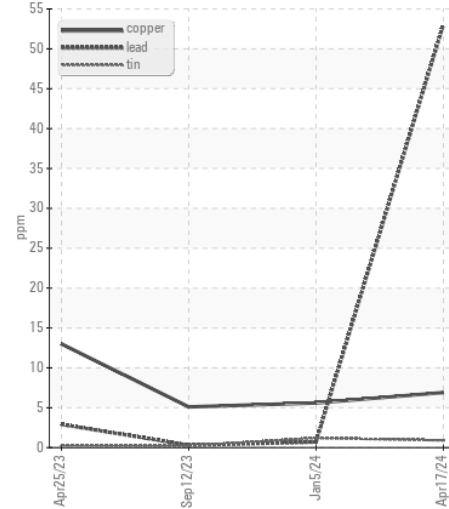
▲ Ferrous Alloys



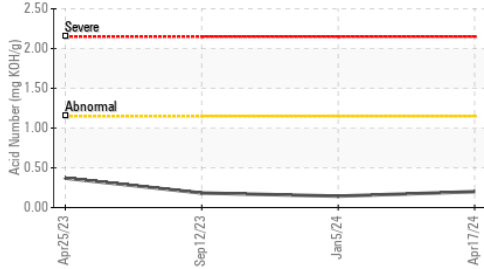
▲ Ferrous Alloys



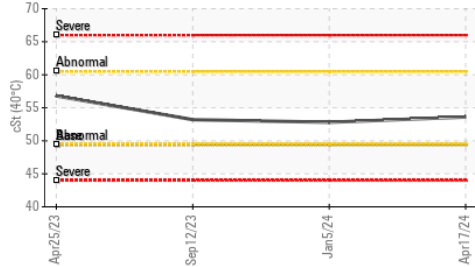
▲ Non-ferrous Metals



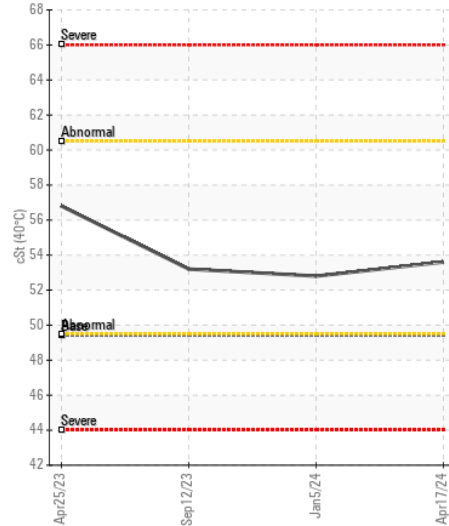
Acid Number



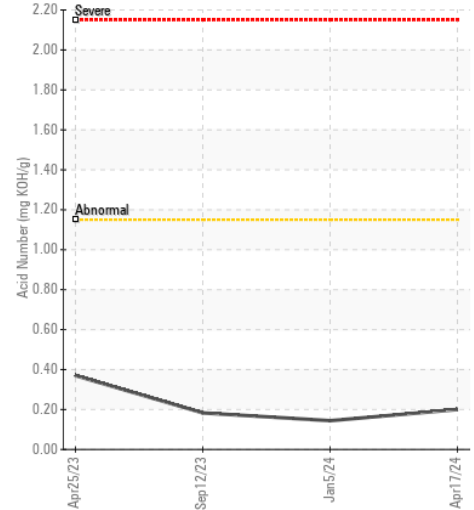
Viscosity @ 40°C



Viscosity @ 40°C



Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06159252 **Received** : 24 Apr 2024  
**Lab Number** : 06159252 **Tested** : 25 Apr 2024  
**Unique Number** : 10994675 **Diagnosed** : 26 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2

**A-L-L EQUIPMENT INC**  
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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)