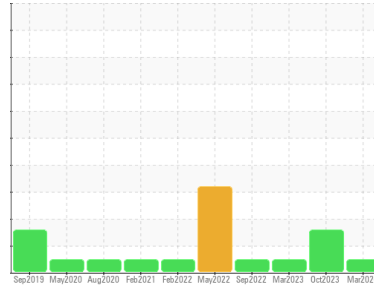




# OIL ANALYSIS REPORT

Area  
**SULLUBE [2403210]**  
 Machine Id  
**SULLAIR 37215050219 - GATEWAY SENATOBIA**  
 Component  
**Compressor**

Sample Rating Trend



**NORMAL**



## DIAGNOSIS

- Recommendation**  
 Resample at the next service interval to monitor.
- Wear**  
 All component wear rates are normal.
- Contamination**  
 There is no indication of any contamination in the oil.
- Fluid Condition**  
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UCH06178905</b>	UCH06017471	UCH05839333
Sample Date	Client Info		<b>15 Mar 2024</b>	13 Oct 2023	29 Mar 2023
Machine Age	hrs	Client Info	<b>24646</b>	23205	21535
Oil Age	hrs	Client Info	<b>3280</b>	4205	3167
Oil Changed	Client Info		<b>Changed</b>	N/A	Changed
Sample Status			<b>NORMAL</b>	ABNORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>1</b>	1	<1
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	2	0
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>3</b>	2	1
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	0
Barium	ppm	ASTM D5185m 745	<b>268</b>	163	127
Molybdenum	ppm	ASTM D5185m 0.0	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m	<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m 0.0	<b>2</b>	1	<1
Calcium	ppm	ASTM D5185m 1	<b>10</b>	4	3
Phosphorus	ppm	ASTM D5185m 3	<b>5</b>	0	2
Zinc	ppm	ASTM D5185m 0.1	<b>23</b>	0	6
Sulfur	ppm	ASTM D5185m 240	<b>476</b>	280	322

## CONTAMINANTS

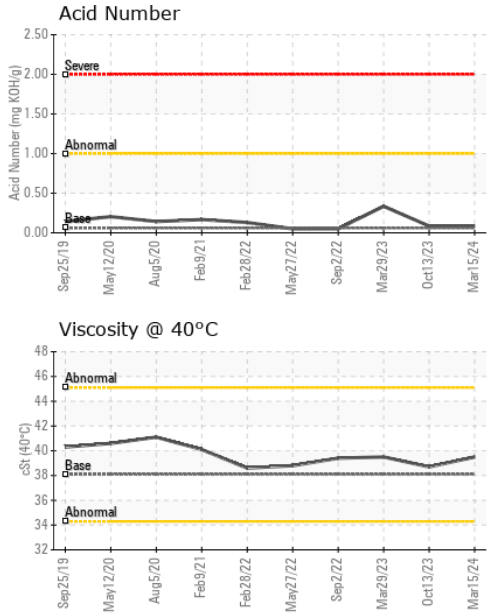
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>9</b>	8	15
Sodium	ppm	ASTM D5185m	<b>171</b>	119	142
Potassium	ppm	ASTM D5185m >20	<b>6</b>	3	3

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 .06	<b>0.083</b>	0.085	0.335



# OIL ANALYSIS REPORT



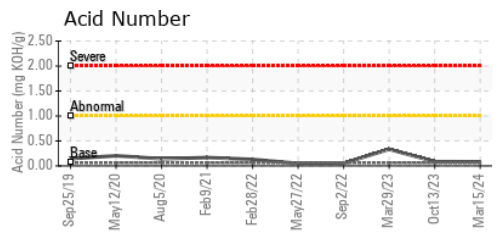
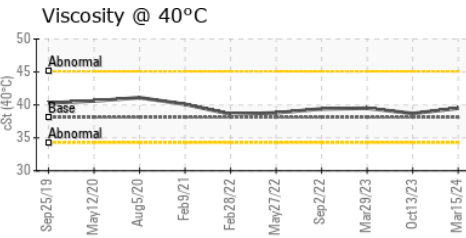
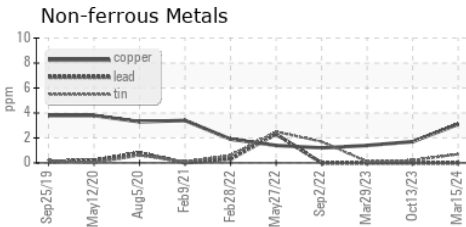
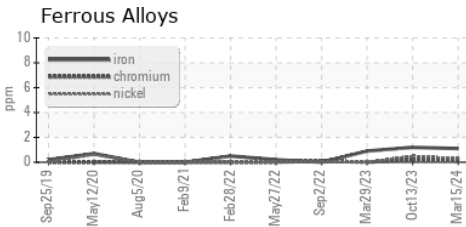
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	0.2%
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	38.1	39.5	38.7

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06178905      **Received** : 14 May 2024  
**Lab Number** : 06178905      **Tested** : 16 May 2024  
**Unique Number** : 11030231      **Diagnosed** : 16 May 2024 - Don Baldrige  
**Test Package** : IND 2

**AIM POWER AND FLUIDS**  
 2884 SANDERWOOD DR  
 MEMPHIS, TN  
 US 38118  
 Contact: WAIN GOAD  
 Wain.goad@aimcompanies.com  
 T: (901)363-2200  
 F:

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)