



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

Area  
**NOT GIVEN**  
Machine Id  
**SULLIVAN PALATEK 1602290001 - S OHLMAN PLANT**  
Component  
**Compressor**

### RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>UCS06100230</b>	UCS06074842	UCS05947336
Sample Date		Client Info		<b>23 Jan 2024</b>	18 Dec 2023	18 Jul 2023
Machine Age	hrs	Client Info		<b>37568</b>	35815	352671
Oil Age	hrs	Client Info		<b>3922</b>	550	241
Filter Age	hrs	Client Info		<b>645</b>	550	1900
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>1</b>	0	0
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

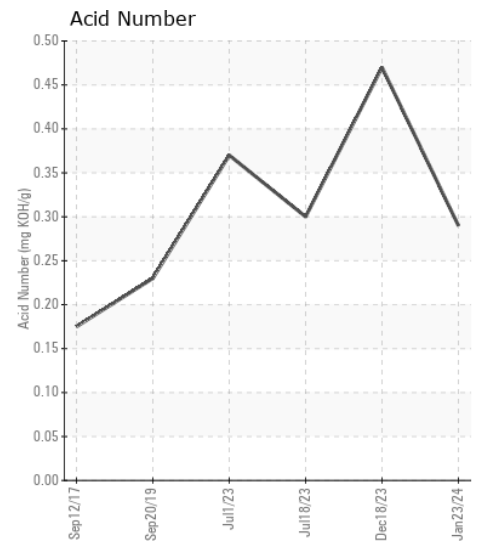
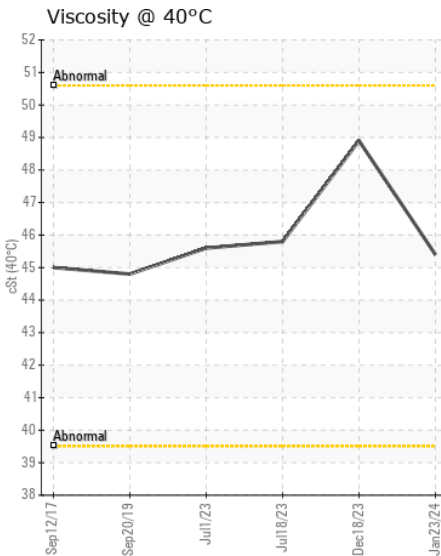
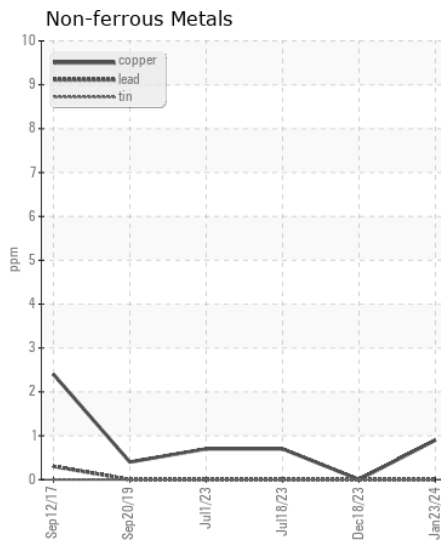
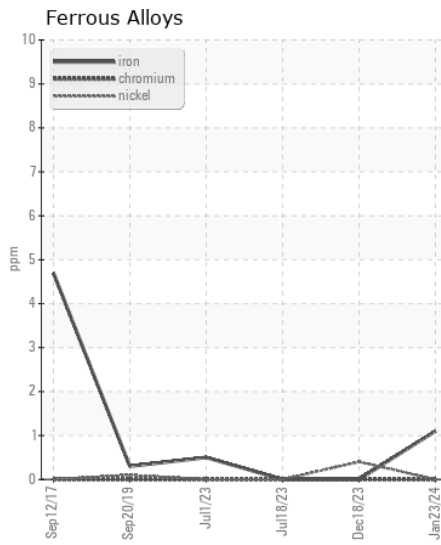
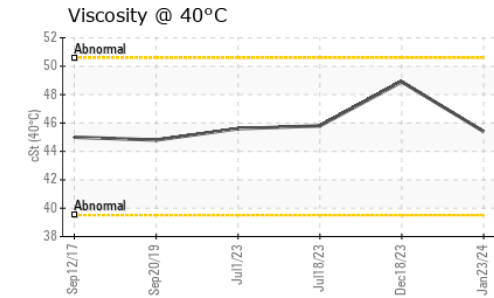
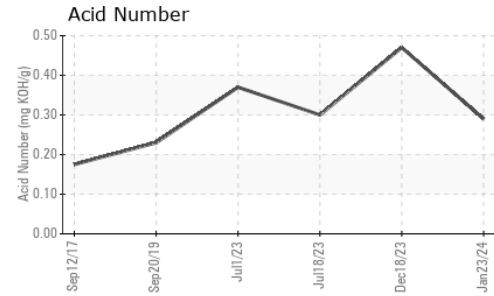
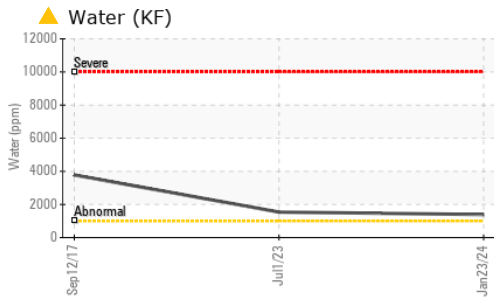
There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>9</b>	2	4
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	0	0
Water	%	ASTM D6304	>0.1	<b>▲ 0.139</b>	---	---
ppm Water	ppm	ASTM D6304	>1000	<b>▲ 1390</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	MODER	LIGHT
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>0.2%</b>	NEG	NEG

### FLUID CONDITION

The AN level is acceptable for this fluid.

Sodium	ppm	ASTM D5185m		<b>11</b>	<1	<1
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>16</b>	5	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>0</b>	<1	0
Calcium	ppm	ASTM D5185m		<b>0</b>	1	0
Phosphorus	ppm	ASTM D5185m		<b>540</b>	171	351
Zinc	ppm	ASTM D5185m		<b>7</b>	0	0
Sulfur	ppm	ASTM D5185m		<b>914</b>	190	404
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.29</b>	0.47	0.30
Visc @ 40°C	cSt	ASTM D445		<b>45.4</b>	48.9	45.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS06100230 **Received** : 26 Feb 2024  
**Lab Number** : 06100230 **Tested** : 27 Feb 2024  
**Unique Number** : 10898460 **Diagnosed** : 28 Feb 2024 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KF )

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)

**TRAIL KING INDUSTRIES**

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