



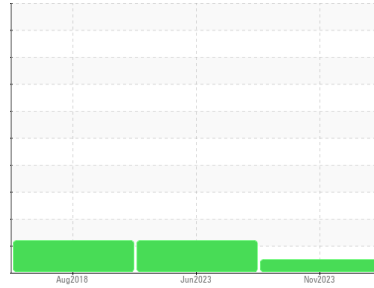
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**CS-46 [PM6-2814054]**  
 Machine Id  
**SULLIVAN PALATEK 1310250001 - SOUTH VALLEY ALMOND**  
 Component  
**Compressor**



## 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>UCH06027912</b>	UCH05893873	UCH04543059
Sample Date	Client Info		<b>27 Nov 2023</b>	12 Jun 2023	06 Aug 2018
Machine Age	hrs	Client Info	<b>33731</b>	3200	20841
Oil Age	hrs	Client Info	<b>1731</b>	0	0
Oil Changed	Client Info		<b>Not Changed</b>	Changed	N/A
Sample Status			<b>NORMAL</b>	ATTENTION	ATTENTION

## 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>0</b>	3	1
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	<1	0
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	2	3
Tin	ppm	ASTM D5185m >15	<b>0</b>	0	0
Antimony	ppm	ASTM D5185m	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 1.5	<b>0</b>	0	1
Barium	ppm	ASTM D5185m 0	<b>0</b>	7	50
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m 0.3	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m 0	<b>0</b>	6	0
Calcium	ppm	ASTM D5185m 0	<b>0</b>	0	<1
Phosphorus	ppm	ASTM D5185m 406	<b>69</b>	7	12
Zinc	ppm	ASTM D5185m 0	<b>0</b>	15	5
Sulfur	ppm	ASTM D5185m 1283	<b>1134</b>	6447	398

## CONTAMINANTS

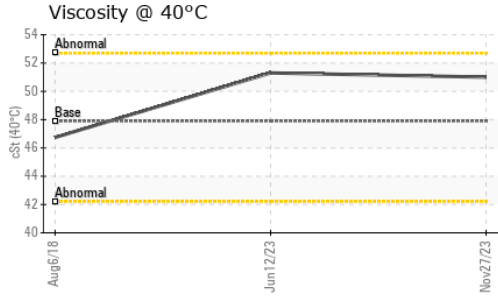
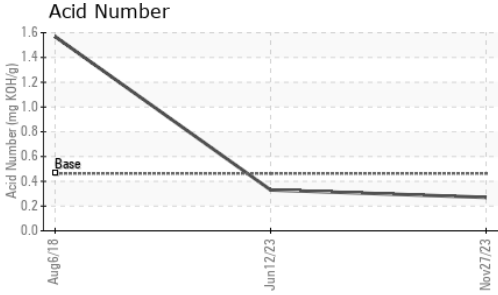
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>&lt;1</b>	3	11
Sodium	ppm	ASTM D5185m	<b>2</b>	42	67
Potassium	ppm	ASTM D5185m >20	<b>0</b>	<1	4

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.463	<b>0.27</b>	▲ 0.33	▲ 1.569



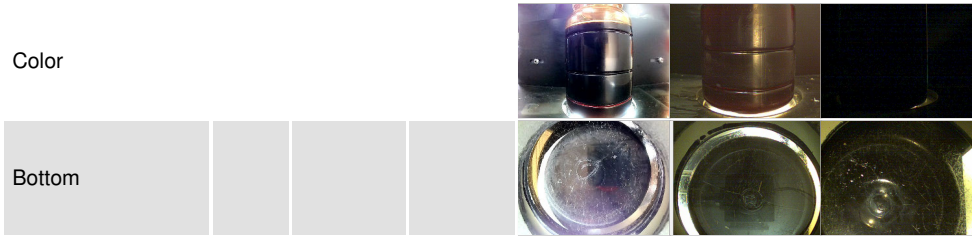
# OIL ANALYSIS REPORT



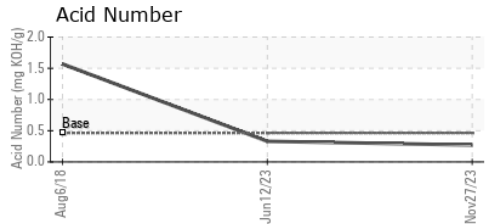
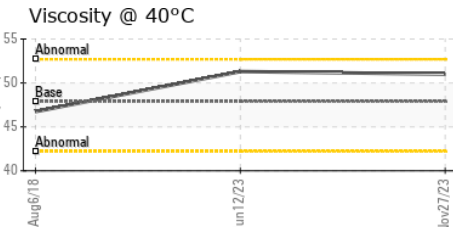
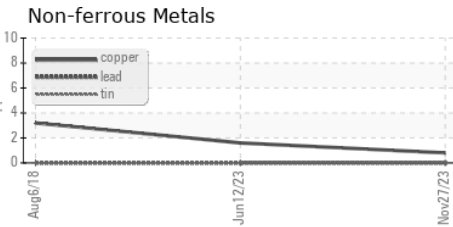
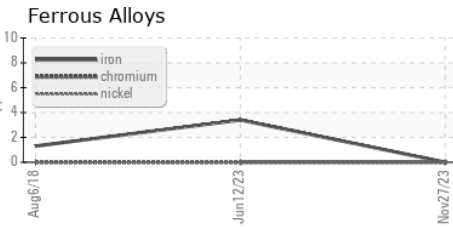
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	47.9	51.0	51.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06027912    **Received** : 07 Dec 2023  
**Lab Number** : 06027912    **Diagnosed** : 09 Dec 2023  
**Unique Number** : 10777703    **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

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)

**CISCO AIR SYSTEMS**  
 214 27TH ST  
 SACRAMENTO, CA  
 US 95816

Contact: BARRY FRKOVICH  
barryfrkovich@ciscoair.com

T: (916)444-2525

F: x: