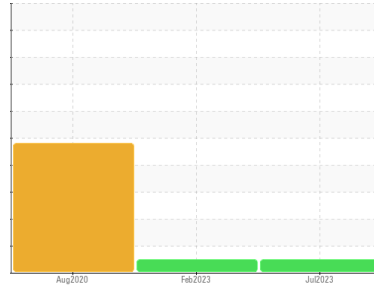


Area  
**PALASYN 45 [8011135]**  
Machine Id  
**SULLIVAN PALATEK 1303260002 - BPI MILLWORKS**  
Component  
**Compressor**



**DIAGNOSIS**

**Recommendation**

The filter change at the time of sampling has been noted. 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 acceptable for the time in service.

**SAMPLE INFORMATION**

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UCS05905576</b>	UCS05775501	UCS05041144
Sample Date	Client Info		<b>18 Jul 2023</b>	17 Feb 2023	05 Aug 2020
Machine Age	hrs	Client Info	<b>9731</b>	8454	8002
Oil Age	hrs	Client Info	<b>1272</b>	4656	1677
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	Not Chngd
Sample Status			<b>NORMAL</b>	NORMAL	SEVERE

**WEAR METALS**

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>0</b>	0	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>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	0	0
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m >50	<b>0</b>	0	0
Tin	ppm	ASTM D5185m >15	<b>0</b>	0	<1
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 0.0	<b>0</b>	0	0
Barium	ppm	ASTM D5185m 0.0	<b>0</b>	3	0
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m 0.0	<b>&lt;1</b>	0	0
Calcium	ppm	ASTM D5185m 0.0	<b>&lt;1</b>	<1	0
Phosphorus	ppm	ASTM D5185m 966	<b>396</b>	405	613
Zinc	ppm	ASTM D5185m 0	<b>0</b>	5	0
Sulfur	ppm	ASTM D5185m 1309	<b>242</b>	233	398

**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>3</b>	2	4
Sodium	ppm	ASTM D5185m	<b>4</b>	<1	0
Potassium	ppm	ASTM D5185m >20	<b>0</b>	0	<1

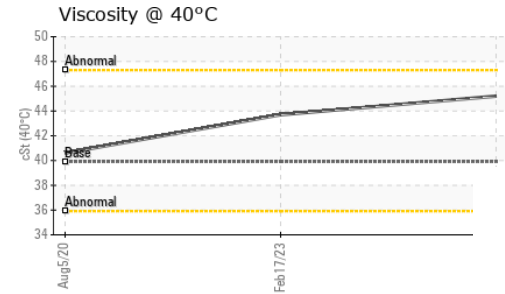
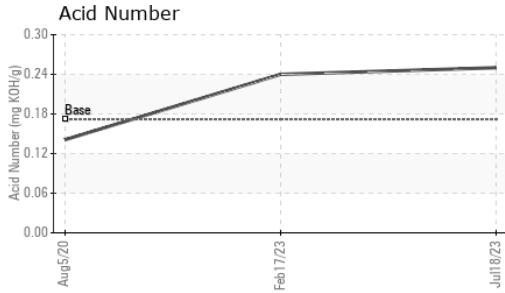
**FLUID DEGRADATION**

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.172	<b>0.25</b>	0.24	0.141

**VISUAL**

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>LIGHT</b>	NONE	MODER
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	0.2%
Free Water	scalar	*Visual	<b>NEG</b>	NEG	0.1%

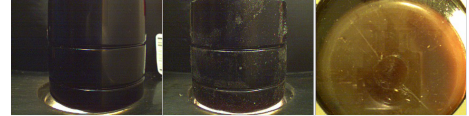
# OIL ANALYSIS REPORT



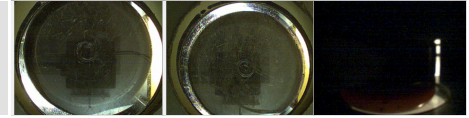
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	39.9	<b>45.2</b>	43.7	40.6

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color

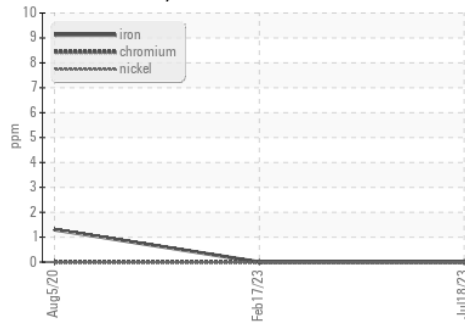


Bottom

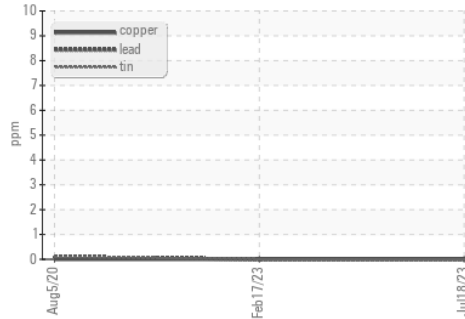


## GRAPHS

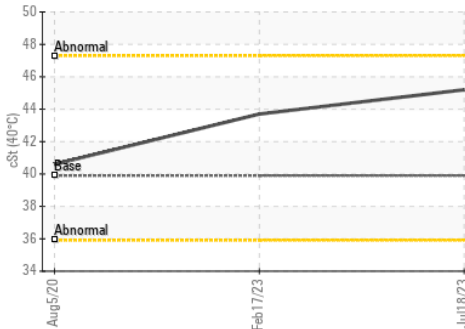
### Ferrous Alloys



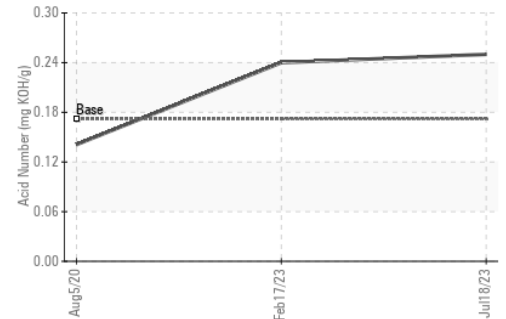
### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS05905576 **Received** : 24 Jul 2023  
**Lab Number** : **05905576** **Diagnosed** : 26 Jul 2023  
**Unique Number** : 10566932 **Diagnostician** : Angela Borella  
**Test Package** : IND 2

**LIFT PRO EQUIPMENT CO**

SIoux FALLS, SD  
 US 57104  
 Contact: REUBEN  
 tim@liftproequipment.com  
 T: (605)339-6494  
 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)