



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

Area  
**PALASYN 45**  
Machine Id  
**SULLIVAN PALATEK 21JE002509 - PRATUM CO-OP**  
Component  
**Compressor**

### RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

### WEAR

All component wear rates are normal.

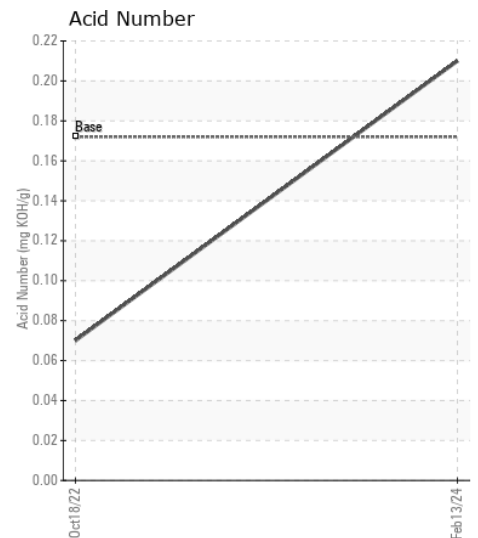
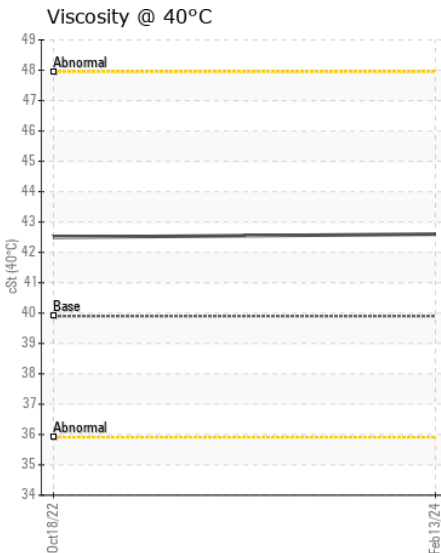
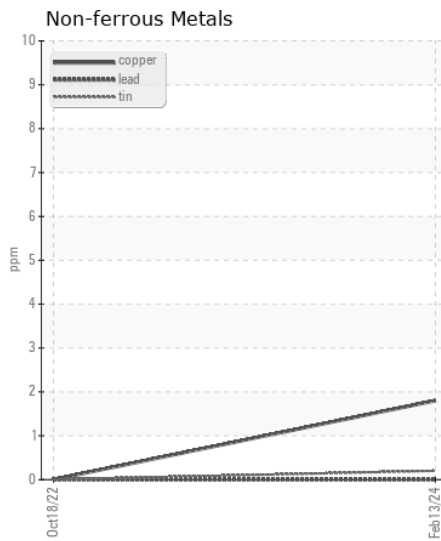
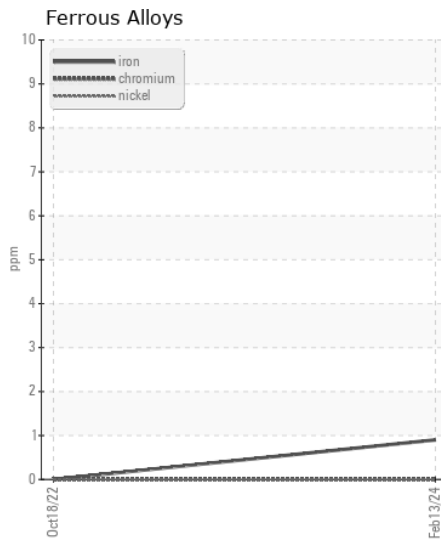
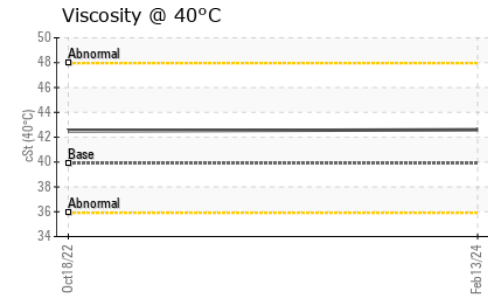
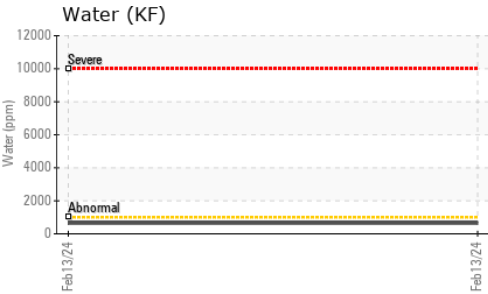
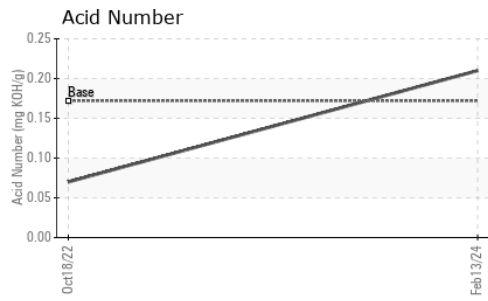
### CONTAMINATION

Excessive free water present. There is a moderate amount of visible silt present in the sample. Moderate concentration of visible dirt/debris present 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>UCS06210259</b>	UCS05765945	---
Sample Date		Client Info		<b>13 Feb 2024</b>	18 Oct 2022	---
Machine Age	hrs	Client Info		<b>1772</b>	242	---
Oil Age	hrs	Client Info		<b>1772</b>	242	---
Filter Age	hrs	Client Info		<b>1530</b>	242	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---
Iron	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m		<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>2</b>	0	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silicon	ppm	ASTM D5185m	>25	<b>2</b>	<1	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	---
Water	%	ASTM D6304	>0.1	<b>0.065</b>	---	---
ppm Water	ppm	ASTM D6304	>1000	<b>650</b>	---	---
Silt	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>▲ MODER</b>	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>0.2%</b>	NEG	---
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Boron	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	0	---
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m	0.0	<b>0</b>	0	---
Calcium	ppm	ASTM D5185m	0.0	<b>0</b>	0	---
Phosphorus	ppm	ASTM D5185m	966	<b>291</b>	274	---
Zinc	ppm	ASTM D5185m	0	<b>0</b>	0	---
Sulfur	ppm	ASTM D5185m	1309	<b>1522</b>	1607	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.172	<b>0.21</b>	0.07	---
Visc @ 40°C	cSt	ASTM D445	39.9	<b>42.6</b>	42.5	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS06210259      **Received** : 14 Jun 2024  
**Lab Number** : 06210259      **Tested** : 18 Jun 2024  
**Unique Number** : 11083123      **Diagnosed** : 18 Jun 2024 - Angela Borella  
**Test Package** : IND 2 ( Additional Tests: KF )

**NORTHWEST COMPRESSOR**  
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 US 97321  
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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)