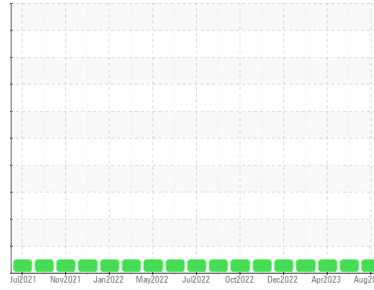


Area  
**PALEXTRA 44**  
Machine Id  
**SULLIVAN PALATEK 20EE001205 - SMITH SEED SERVICES**  
Component  
**Compressor**



**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>UCS06059364</b>	UCS06059366	UCS06059362	
Sample Date	Client Info	<b>01 Aug 2023</b>	01 Jun 2023	04 Apr 2023	
Machine Age	hrs	Client Info	<b>14958</b>	14209	13351
Oil Age	hrs	Client Info	<b>2810</b>	2051	1203
Oil Changed	Client Info	<b>Not Changed</b>	Not Changd	Not Changed	
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL	

**CONTAMINATION** method limit/base current history1 history2

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

Iron	ppm	ASTM D5185m	>50	<b>0</b>	0	0
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	0
Copper	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Tin	ppm	ASTM D5185m	>15	<b>0</b>	0	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	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	0.3	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	0.3	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	0.4	<b>0</b>	0	0
Calcium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m	689	<b>574</b>	539	582
Zinc	ppm	ASTM D5185m	0	<b>0</b>	0	0
Sulfur	ppm	ASTM D5185m	1237	<b>332</b>	386	480

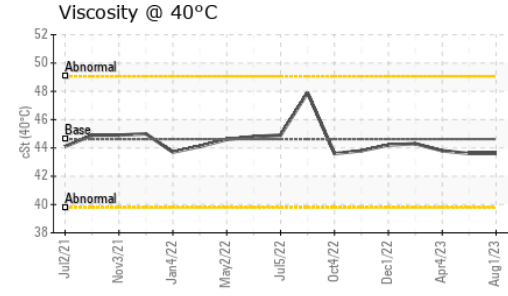
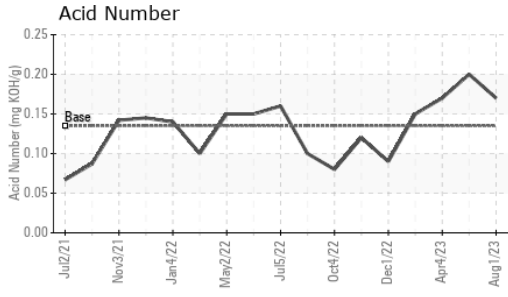
**CONTAMINANTS** method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>25	<b>1</b>	<1	<1
Sodium	ppm	ASTM D5185m		<b>0</b>	0	0
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0

**FLUID DEGRADATION** method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D8045	0.135	<b>0.17</b>	0.20	0.17
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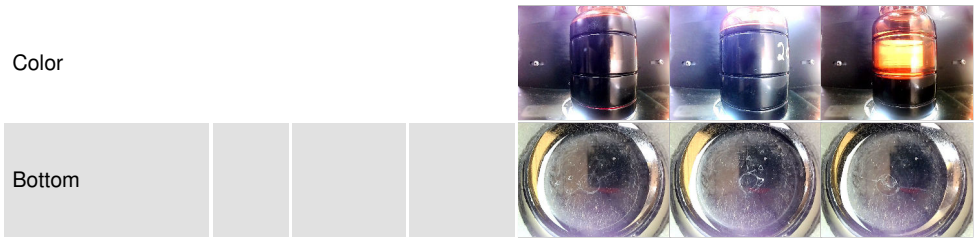
# OIL ANALYSIS REPORT



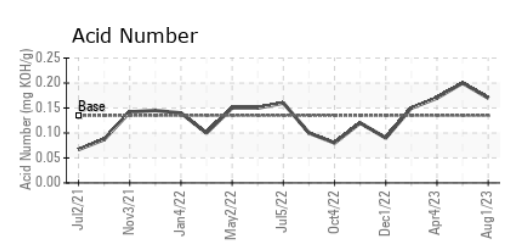
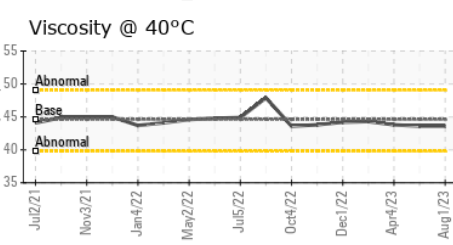
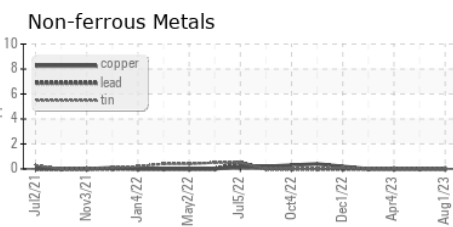
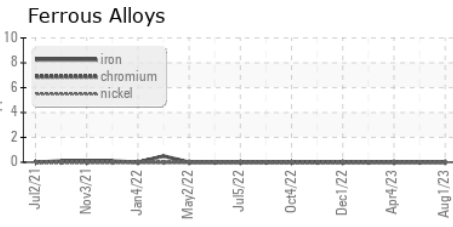
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	44.62	<b>43.6</b>	43.6	43.8

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.** : UCS06059364 **Recieved** : 12 Jan 2024  
**Lab Number** : **06059364** **Diagnosed** : 15 Jan 2024  
**Unique Number** : 10830746 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**NORTHWEST COMPRESSOR**  
 29897 HWY 34 SW  
 ALBANY, OR  
 US 97321  
 Contact: CRAIG WORLEY  
 service@nwcompressor.com  
 T: (541)752-5366  
 F: (541)752-4716

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)