

Area

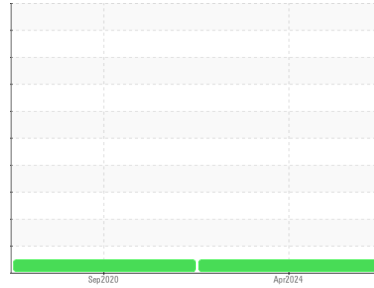
**PALEXTRA 44 [185881]**

Machine Id

**SULLIVAN PALATEK 1803190002 - BORAL RESOURCES**

Component

**Compressor**



**DIAGNOSIS**

**Recommendation**

Oil and 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**

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 suitable for further service.

**SAMPLE INFORMATION** method limit/base current history1 history2

Sample Number	Client Info	<b>UCS06159229</b>	UCS05194223	---
Sample Date	Client Info	<b>09 Apr 2024</b>	17 Sep 2020	---
Machine Age	hrs	Client Info	<b>17730</b>	7481
Oil Age	hrs	Client Info	<b>0</b>	1204
Oil Changed	Client Info	<b>Changed</b>	Not Changd	---
Sample Status		<b>NORMAL</b>	NORMAL	---

**WEAR METALS** method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>50	<b>6</b>	<1	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	0	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Antimony	ppm	ASTM D5185m		<b>---</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---

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

Boron	ppm	ASTM D5185m	0	<b>0</b>	<1	---
Barium	ppm	ASTM D5185m	0.3	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m	0.3	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m	0.4	<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185m	0	<b>3</b>	0	---
Phosphorus	ppm	ASTM D5185m	689	<b>483</b>	431	---
Zinc	ppm	ASTM D5185m	0	<b>1</b>	0	---
Sulfur	ppm	ASTM D5185m	1237	<b>1006</b>	98	---

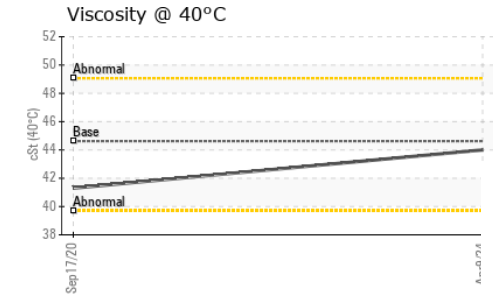
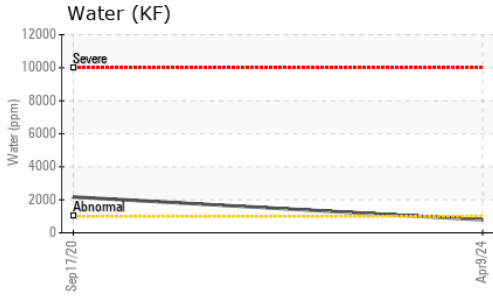
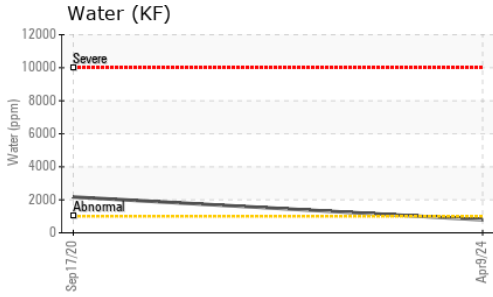
**CONTAMINANTS** method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	11	---
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Water	%	ASTM D6304	>0.1	<b>0.079</b>	0.217	---
ppm Water	ppm	ASTM D6304	>1000	<b>790</b>	2170	---

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

Acid Number (AN)	mg KOH/g	ASTM D8045	0.135	<b>0.19</b>	0.419	---
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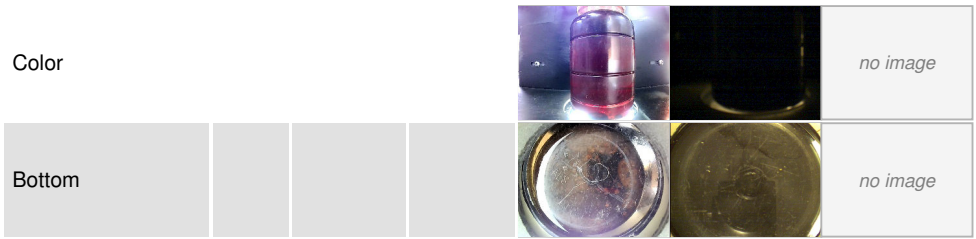
# OIL ANALYSIS REPORT



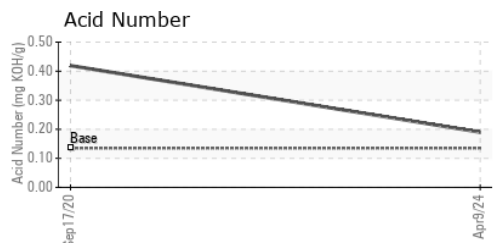
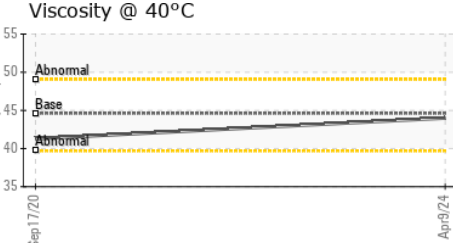
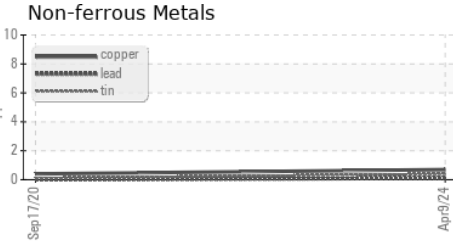
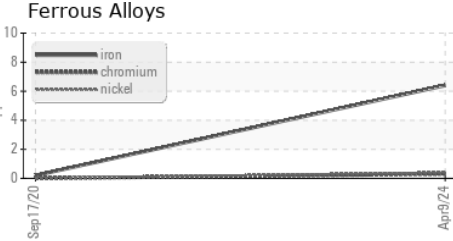
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>MODER</b>	MODER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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	44.62	<b>44.0</b>	41.3	---

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS06159229 **Received** : 24 Apr 2024  
**Lab Number** : **06159229** **Tested** : 25 Apr 2024  
**Unique Number** : 10994652 **Diagnosed** : 26 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KF )

**COMPLETE ENGINEERED SOLUTIONS - CES**  
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 christo@complete-es.net  
 T: (800)701-3196  
 F: (209)753-4211

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)