



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
PALEXTRA 44 [185881]
Machine Id
SULLIVAN PALATEK 1803190002 - BORAL RESOURCES
Component
Compressor

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCS06159229	UCS05194223	---
Sample Date		Client Info		09 Apr 2024	17 Sep 2020	---
Machine Age	hrs	Client Info		17730	7481	---
Oil Age	hrs	Client Info		0	1204	---
Filter Age	hrs	Client Info		0	1204	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	6	<1	---
Chromium	ppm	ASTM D5185m	>10	<1	0	---
Nickel	ppm	ASTM D5185m		<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>25	2	0	---
Lead	ppm	ASTM D5185m	>25	<1	0	---
Copper	ppm	ASTM D5185m	>50	<1	<1	---
Tin	ppm	ASTM D5185m	>15	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

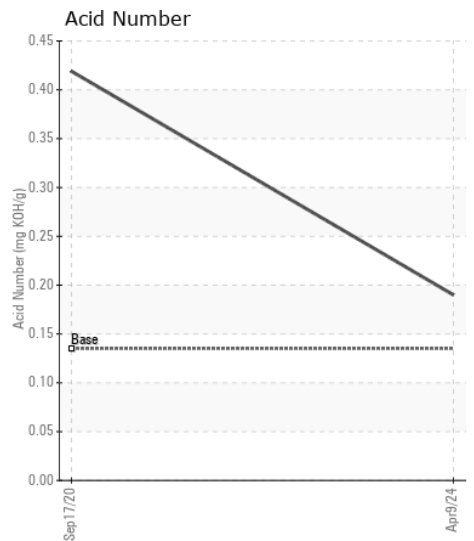
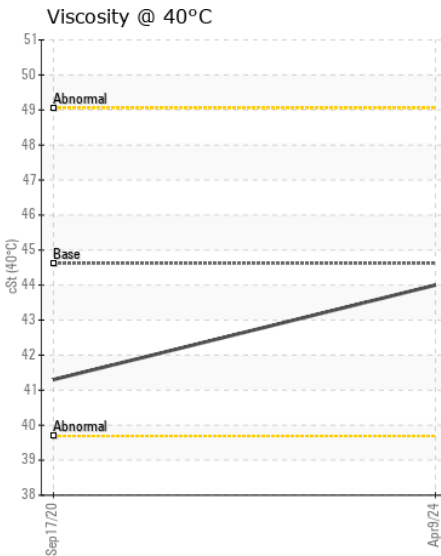
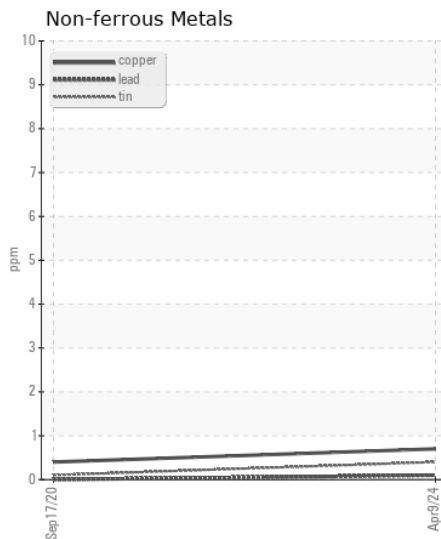
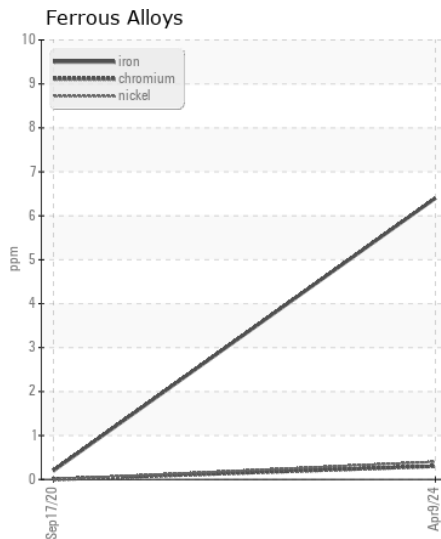
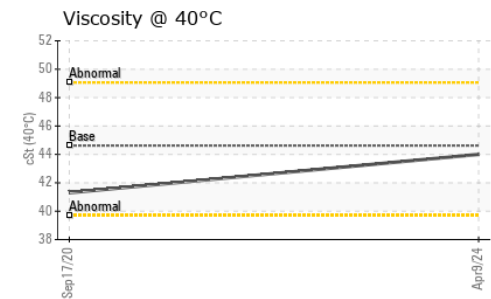
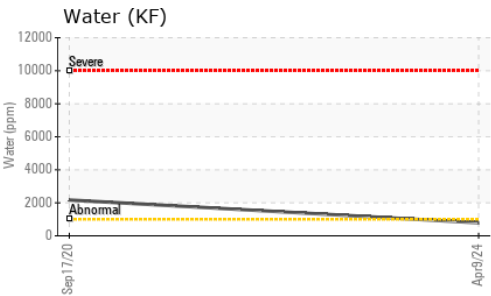
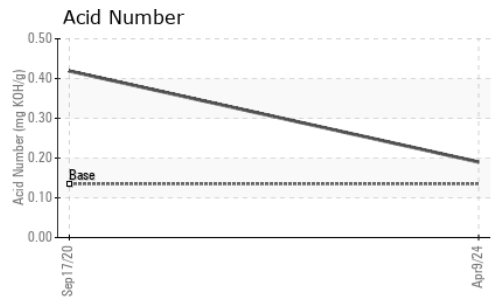
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>25	6	11	---
Potassium	ppm	ASTM D5185m	>20	<1	0	---
Water	%	ASTM D6304	>0.1	0.079	0.217	---
ppm Water	ppm	ASTM D6304	>1000	790	2170	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	MODER	MODER	---
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	0.2%	0.2%	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<1	0	---
Boron	ppm	ASTM D5185m	0	0	<1	---
Barium	ppm	ASTM D5185m	0.3	0	0	---
Molybdenum	ppm	ASTM D5185m	0	<1	0	---
Manganese	ppm	ASTM D5185m	0.3	0	0	---
Magnesium	ppm	ASTM D5185m	0.4	<1	0	---
Calcium	ppm	ASTM D5185m	0	3	0	---
Phosphorus	ppm	ASTM D5185m	689	483	431	---
Zinc	ppm	ASTM D5185m	0	1	0	---
Sulfur	ppm	ASTM D5185m	1237	1006	98	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.135	0.19	0.419	---
Visc @ 40°C	cSt	ASTM D445	44.62	44.0	41.3	---



Certificate L2367

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)

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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)