



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
PALEXTRA 44
Machine Id
SULLIVAN PALATEK 20EB000987 - AC1024
Component
Compressor

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCS06196810	UCS06130772	---
Sample Date		Client Info		22 May 2024	20 Mar 2024	---
Machine Age	hrs	Client Info		19767	18849	---
Oil Age	hrs	Client Info		10515	9597	---
Filter Age	hrs	Client Info		4298	3380	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

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

CONTAMINATION

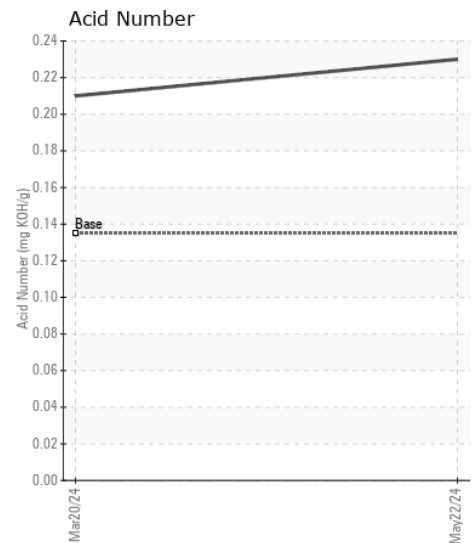
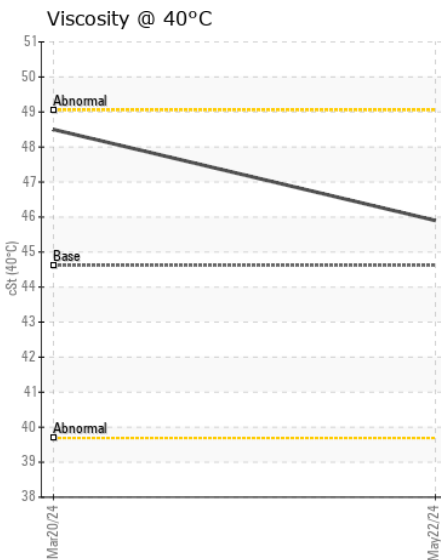
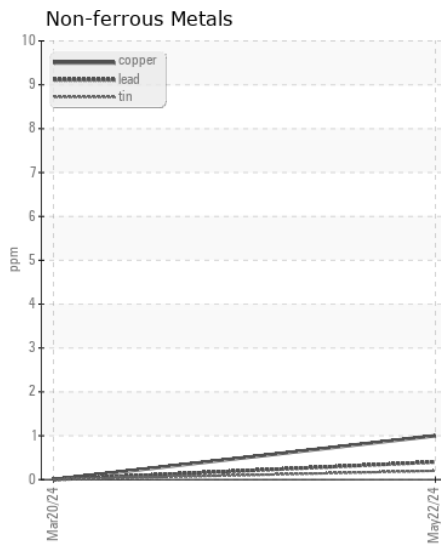
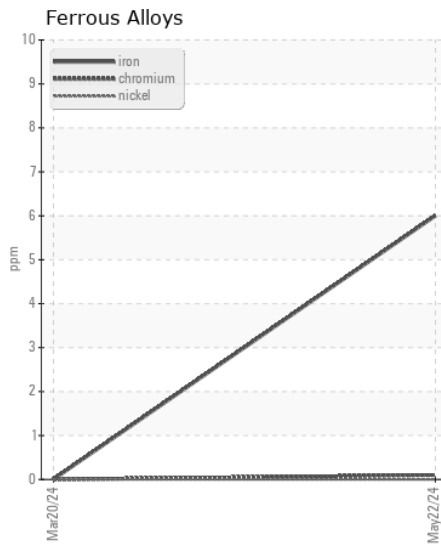
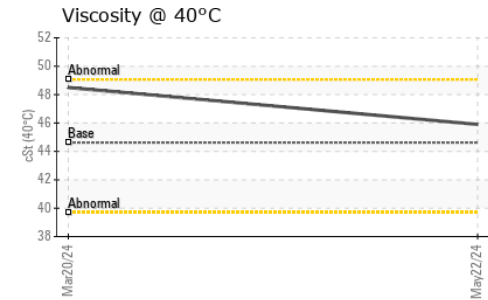
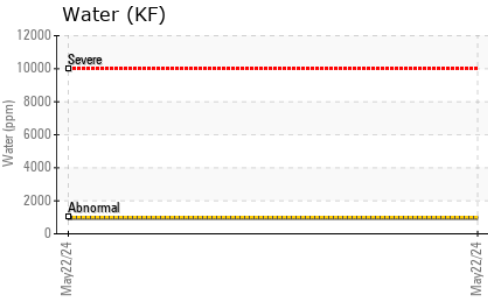
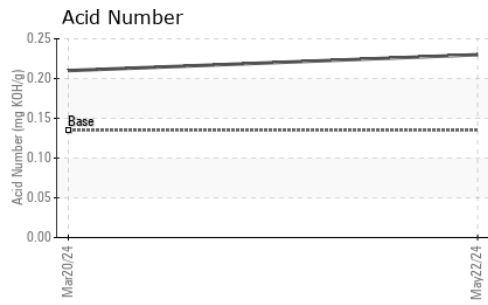
There is a moderate amount of visible silt present in the sample.

Silicon	ppm	ASTM D5185m	>25	4	2	---
Potassium	ppm	ASTM D5185m	>20	<1	1	---
Water	%	ASTM D6304	>0.1	0.095	---	---
ppm Water	ppm	ASTM D6304	>1000	950	---	---
Silt	scalar	*Visual	NONE	MODER	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
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%	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	30	---
Boron	ppm	ASTM D5185m	0	0	0	---
Barium	ppm	ASTM D5185m	0.3	<1	0	---
Molybdenum	ppm	ASTM D5185m	0	<1	0	---
Manganese	ppm	ASTM D5185m	0.3	0	0	---
Magnesium	ppm	ASTM D5185m	0.4	<1	1	---
Calcium	ppm	ASTM D5185m	0	0	3	---
Phosphorus	ppm	ASTM D5185m	689	354	393	---
Zinc	ppm	ASTM D5185m	0	0	0	---
Sulfur	ppm	ASTM D5185m	1237	658	779	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.135	0.23	0.21	---
Visc @ 40°C	cSt	ASTM D445	44.62	45.9	48.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCS06196810 **Received** : 31 May 2024
Lab Number : 06196810 **Tested** : 03 Jun 2024
Unique Number : 11058933 **Diagnosed** : 04 Jun 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF)

TRAIL KING INDUSTRIES

MITCHELL, SD
 US 57301
 Contact: DAN ANDERSON
 DANDERSON@TRAILKING.COM

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)

T:
F: