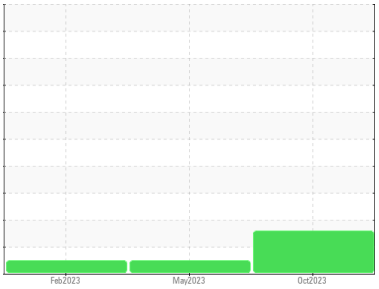
Sullivan Palatek

PROBLEM SUMMARY

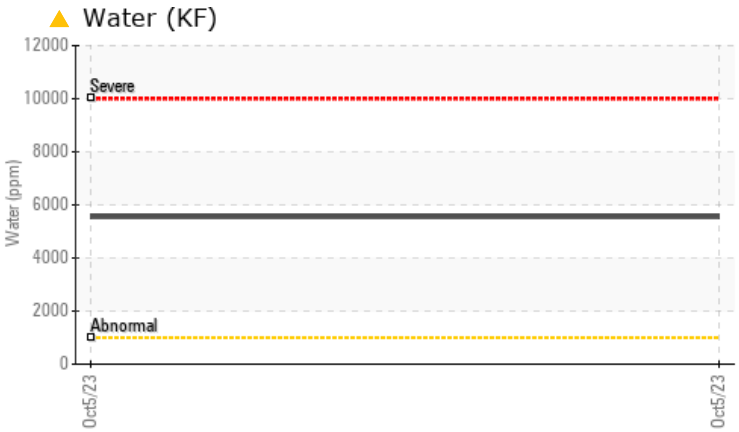
Sample Rating Trend



WATER

Area
PALASYN 45
Machine Id
SULLIVAN PALATEK 22HE003292 - ROBERT BOSCH/855 CAMP CREEK
Component
Compressor

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				**ATTENTION**	NORMAL	NORMAL
Water	%	ASTM D6304	>0.1	▲ **0.555**	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ **5550**	---	---
Emulsified Water	scalar	*Visual	>0.1	▲ **0.2%**	NEG	NEG

Customer Id: UCELIMCD
Sample No.: UCS05981958
Lab Number: 05981958
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

HISTORICAL DIAGNOSIS

25 May 2023 Diag: Jonathan Hester

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

22 Feb 2023 Diag: Jonathan Hester

NORMAL

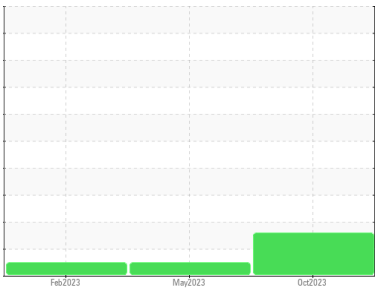
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

Sullivan Palatek

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Area
PALASYN 45
Machine Id
SULLIVAN PALATEK 22HE003292 - ROBERT BOSCH/855 CAMP CREEK
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
There is a moderate concentration of water 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		**UCS05981958**	UCS05865733	UCS05799815
Sample Date		Client Info		**05 Oct 2023**	25 May 2023	22 Feb 2023
Machine Age	hrs	Client Info		**4436**	2914	1554
Oil Age	hrs	Client Info		**4436**	2914	1154
Oil Changed		Client Info		**Changed**	Not Changd	Not Changd
Sample Status				**ATTENTION**	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	**0**	0	0
Chromium	ppm	ASTM D5185m	>10	**0**	0	0
Nickel	ppm	ASTM D5185m		**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**<1**	<1	0
Lead	ppm	ASTM D5185m	>25	**<1**	0	0
Copper	ppm	ASTM D5185m	>50	**0**	2	<1
Tin	ppm	ASTM D5185m	>15	**<1**	0	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**<1**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.0	**0**	0	0
Barium	ppm	ASTM D5185m	0.0	**281**	3	<1
Molybdenum	ppm	ASTM D5185m	0	**0**	0	0
Manganese	ppm	ASTM D5185m	0	**0**	<1	0
Magnesium	ppm	ASTM D5185m	0.0	**1**	3	0
Calcium	ppm	ASTM D5185m	0.0	**1**	4	0
Phosphorus	ppm	ASTM D5185m	966	**5**	557	541
Zinc	ppm	ASTM D5185m	0	**10**	15	0
Sulfur	ppm	ASTM D5185m	1309	**682**	1260	1567

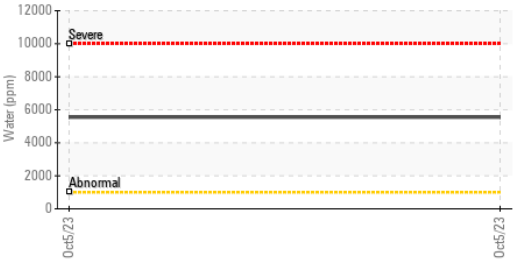
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**<1**	2	3
Sodium	ppm	ASTM D5185m		**52**	<1	<1
Potassium	ppm	ASTM D5185m	>20	**7**	<1	0
Water	%	ASTM D6304	>0.1	▲ **0.555**	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ **5550**	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.172	**0.11**	0.07	0.109

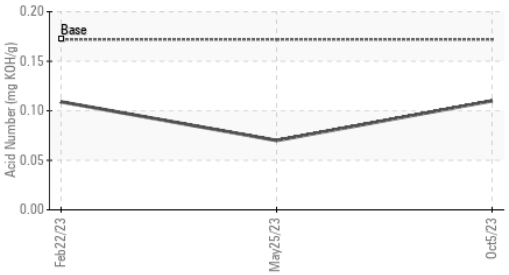
Sullivan Palatek

OIL ANALYSIS REPORT

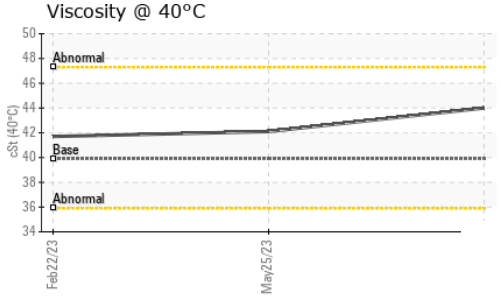
Water (KF)



Acid Number

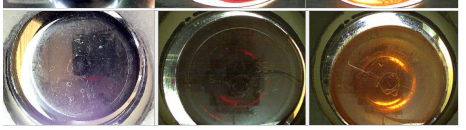


Viscosity @ 40°C



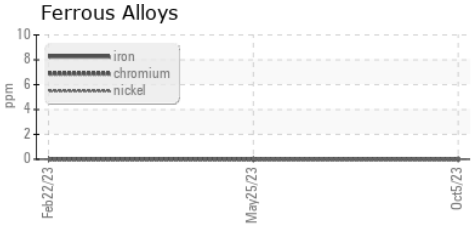
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	▲ **0.2%**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	39.9	**44.0**	42.1	41.7

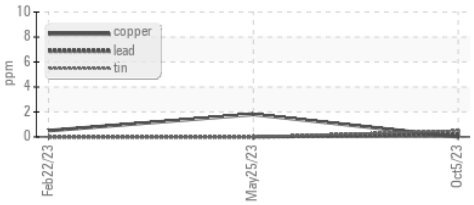
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS

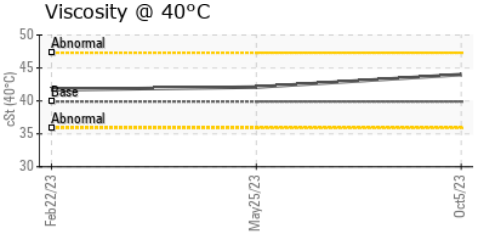
Ferrous Alloys



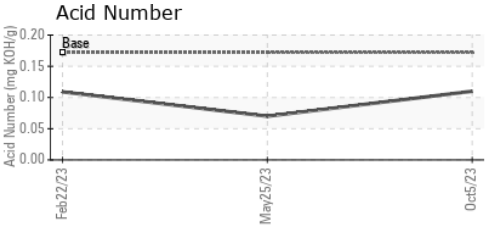
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCS05981958 **Received** : 17 Oct 2023
Lab Number : 05981958 **Diagnosed** : 19 Oct 2023
Unique Number : 10699253 **Diagnostician** : Don Baldridge
Test Package : IND 2 (Additional Tests: KF)

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)

ELITE COMPRESSED AIR SYSTEMS INC
MCDONOUGH, GA
US 30252
Contact: RONNY MINNIX
elitecompressed@gmail.com
T: (770)898-9594
F: