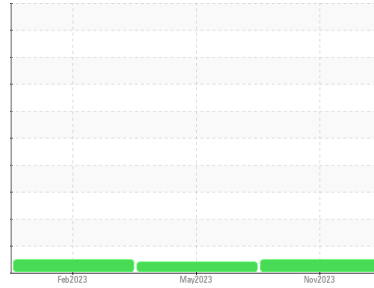


Area
PALASYN 45
Machine Id
SULLIVAN PALATEK 22AE002811 - GERBER COLLISION
Component
Compressor



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			UCS06059373	UCS06059357	UCS06059358
Sample Date	Client Info			27 Nov 2023	17 May 2023	14 Feb 2023
Machine Age	hrs Client Info			3608	2009	1262
Oil Age	hrs Client Info			3608	2009	1262
Oil Changed	Client Info			Changed	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	NEG	NEG	NEG

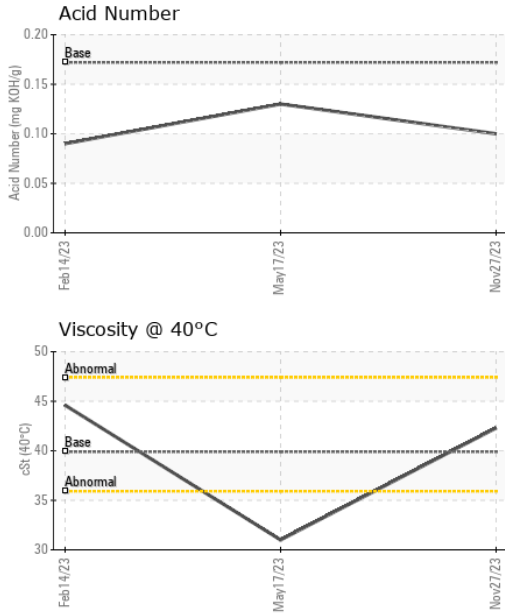
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m		>50	0	0	0
Chromium	ppm ASTM D5185m		>10	0	0	0
Nickel	ppm ASTM D5185m			2	0	0
Titanium	ppm ASTM D5185m			0	0	0
Silver	ppm ASTM D5185m			<1	0	0
Aluminum	ppm ASTM D5185m		>25	<1	0	0
Lead	ppm ASTM D5185m		>25	<1	0	0
Copper	ppm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

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		0.0	0	0	0
Barium	ppm ASTM D5185m		0.0	0	0	0
Molybdenum	ppm ASTM D5185m		0	0	0	0
Manganese	ppm ASTM D5185m		0	<1	0	0
Magnesium	ppm ASTM D5185m		0.0	1	0	0
Calcium	ppm ASTM D5185m		0.0	1	0	0
Phosphorus	ppm ASTM D5185m		966	649	664	671
Zinc	ppm ASTM D5185m		0	0	0	0
Sulfur	ppm ASTM D5185m		1309	1346	1354	1419

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m		>25	2	1	2
Sodium	ppm ASTM D5185m			0	0	0
Potassium	ppm ASTM D5185m		>20	<1	0	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		0.172	0.10	0.13	0.09

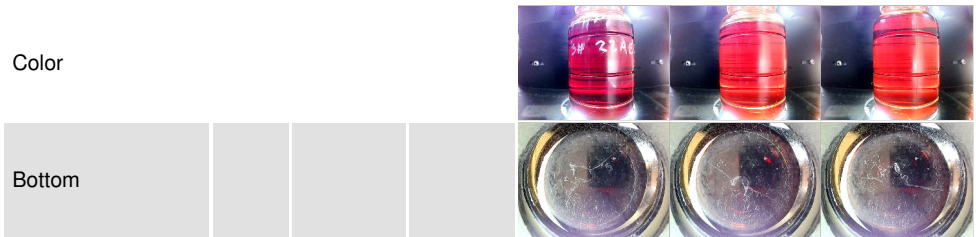
OIL ANALYSIS REPORT



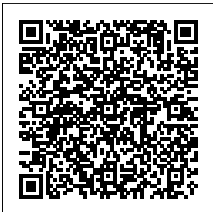
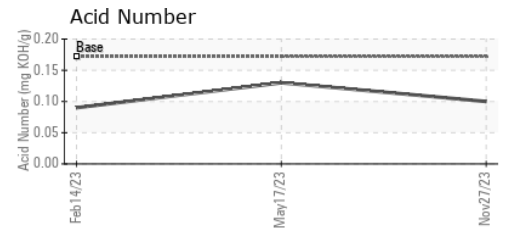
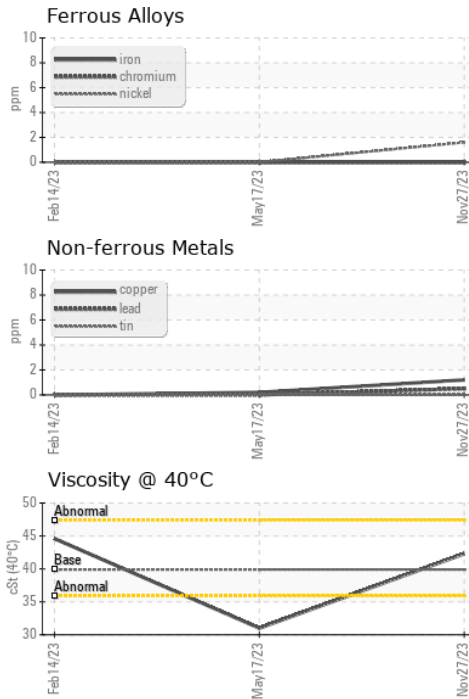
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	39.9	42.3	▲ 31.0	44.6

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. : UCS06059373 **Recieved** : 12 Jan 2024
Lab Number : 06059373 **Diagnosed** : 15 Jan 2024
Unique Number : 10830755 **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)