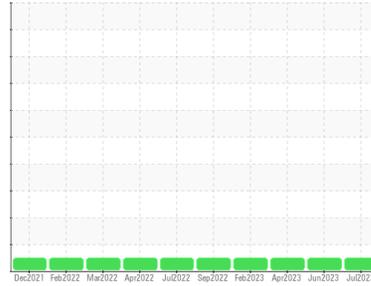


Area
PALASYN 45
Machine Id
SULLIVAN PALATEK 19L5000660 - BERGEY'S CHEVROLET
Component
Compressor



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 acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCS05962342	UCS05881569	UCS05881565
Sample Date	Client Info		21 Jul 2023	12 Jun 2023	18 Apr 2023
Machine Age	hrs	Client Info	29922	28961	27607
Oil Age	hrs	Client Info	3455	2494	1140
Oil Changed	Client Info		Not Changed	Not Changed	Not Changed
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

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

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.0	0	0
Barium	ppm	ASTM D5185m	0.0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	0	0	<1
Magnesium	ppm	ASTM D5185m	0.0	0	0
Calcium	ppm	ASTM D5185m	0.0	0	0
Phosphorus	ppm	ASTM D5185m	966	570	628
Zinc	ppm	ASTM D5185m	0	0	0
Sulfur	ppm	ASTM D5185m	1309	1082	1439

CONTAMINANTS

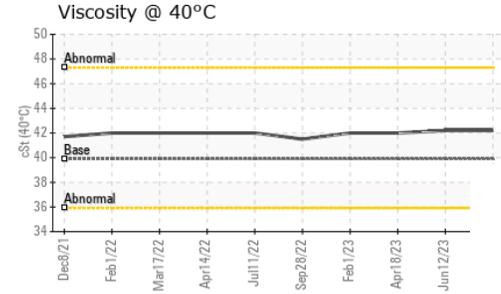
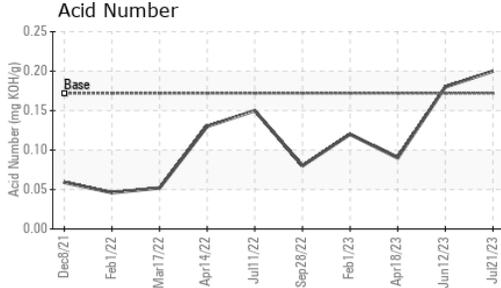
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1
Sodium	ppm	ASTM D5185m		0	<1
Potassium	ppm	ASTM D5185m	>20	0	2

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.172	0.20	0.18

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	LIGHT
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

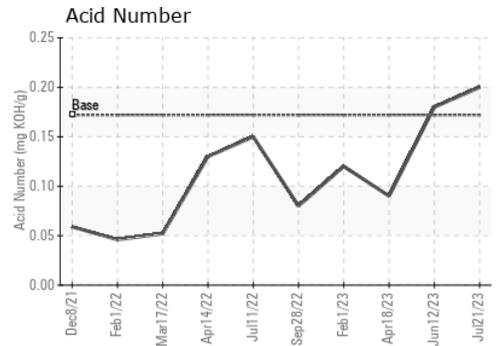
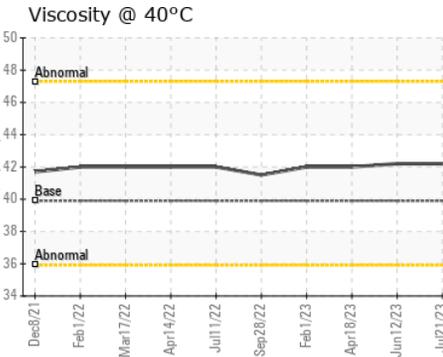
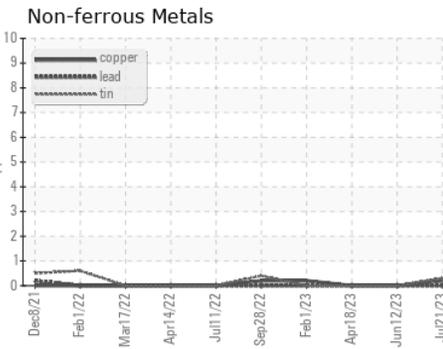
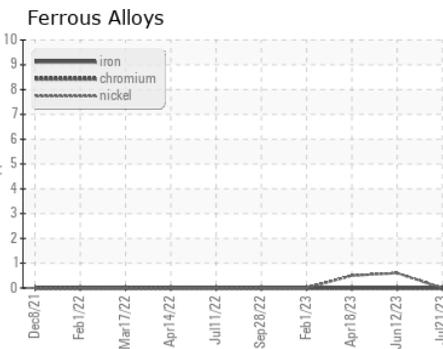


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	39.9	42.2	42.2	42.0

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. : UCS05962342 **Received** : 27 Sep 2023
Lab Number : **05962342** **Diagnosed** : 28 Sep 2023
Unique Number : 10668893 **Diagnostician** : Don Baldrige
Test Package : IND 2

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)

STAR MAINTENANCE LTD
 612 LONELY RD
 SELLERSVILLE, PA
 US 18960

Contact: PAUL SEACHRIST
 PSEACHRIST@VERIZON.NET
 T: (216)723-0540
 F: (216)723-1760