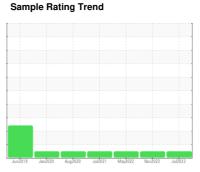
Sullivan Palatek

OIL ANALYSIS REPORT

PALASYN 45 Machine Id SULLIVAN PALATEK 05A010 - RACK WORKS

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

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

Fluid Condition

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

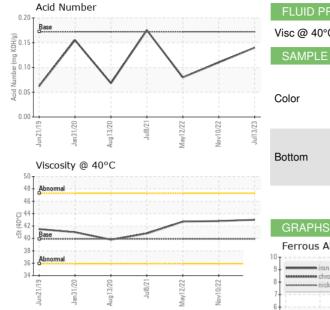
		Jun2019	Jan2020 Aug2020	Jul2021 May2022 Nov2022	Jui2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCS05901346	UCS05704623	UCS05545831
Sample Date		Client Info		13 Jul 2023	10 Nov 2022	12 May 2022
Machine Age	hrs	Client Info		0	48236	47651
Oil Age	hrs	Client Info		4000	585	1295
Oil Changed	1113	Client Info		Changed	Not Changd	Changed
Sample Status		Olicit iiilo		NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
	12 12 122					
lron	ppm	ASTM D5185m	>50	<1	0	<1
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	<1
Aluminum	ppm	ASTM D5185m	>25	2	0	<1
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	3	3	<1
Tin	ppm	ASTM D5185m	>15	0	0	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	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	0	0	0
Magnesium	ppm	ASTM D5185m	0.0	0	0	0
Calcium	ppm	ASTM D5185m	0.0	0	0	0
Phosphorus	ppm	ASTM D5185m	966	690	628	617
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	1309	1436	1270	905
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	<1	1
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.172	0.14	0.11	0.08
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	MODER	MODER	NONE
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	NEG	NEG	NEG
Free Weter		*\ /:==!		NEC	ADDVITAMEDDI	

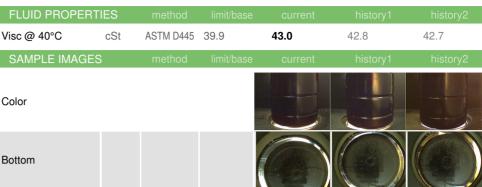
ARRYLOWEDDLE - WESTAELK

NEG

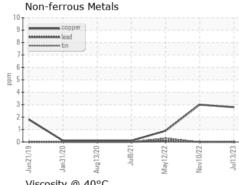
Sullivan

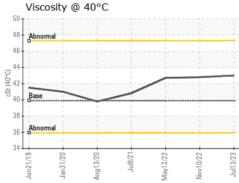
OIL ANALYSIS REPORT

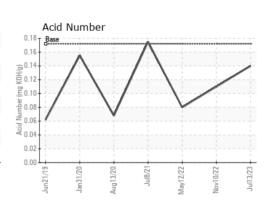




Ferrous Alloys











Laboratory Sample No. Lab Number

Unique Number : 10562702 Test Package : IND 2

: UCS05901346 : 05901346

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Jul 2023 Diagnosed : 20 Jul 2023 Diagnostician : Don Baldridge

Certificate L2367 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)

STANLEY HEATING & AIR

1002 DOBBINS MILL RD ELKIN, NC

US 28621 Contact: DARRYL WEDDLE darryl@stanleyhvac.com T: (336)366-4226