



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
PALASYN 45
Machine Id
SULLIVAN PALATEK DG-40 21DE002049
Component
Compressor

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCS06196760	UCS06108770	UCS06051505
Sample Date		Client Info		29 May 2024	04 Mar 2024	02 Jan 2024
Machine Age	hrs	Client Info		11949	10998	10288
Oil Age	hrs	Client Info		1986	1035	325
Filter Age	hrs	Client Info		417	710	325
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ATTENTION	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	7	0	8
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	1
Lead	ppm	ASTM D5185m	>25	<1	0	<1
Copper	ppm	ASTM D5185m	>50	2	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

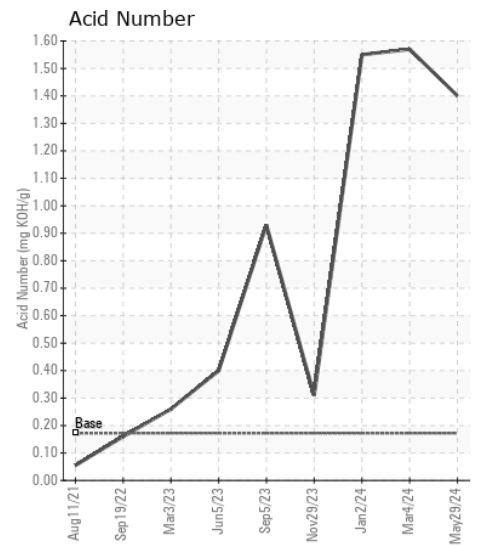
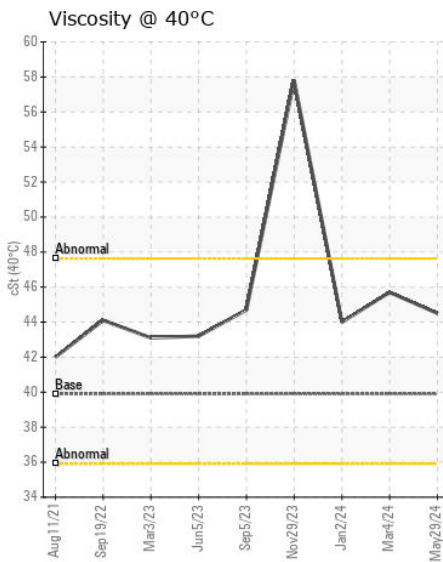
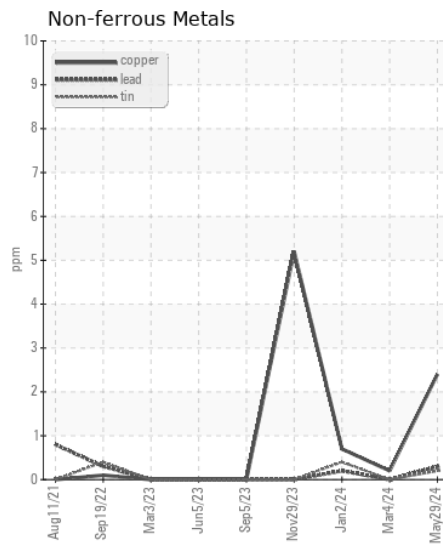
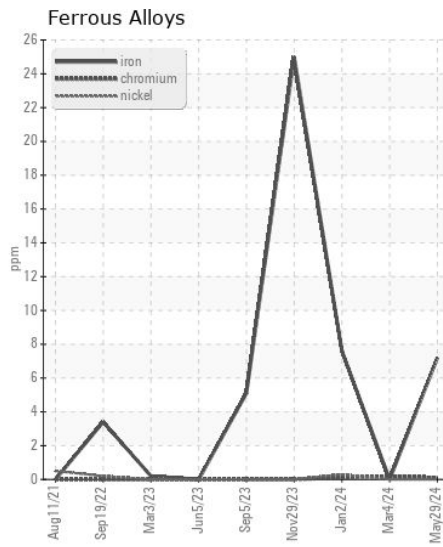
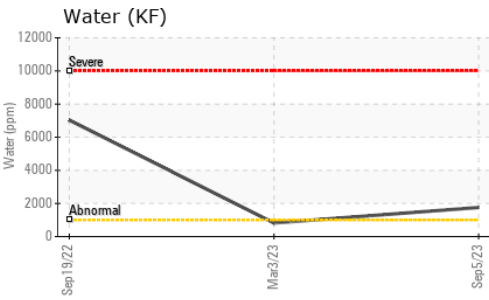
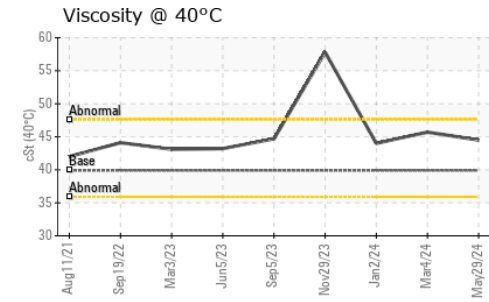
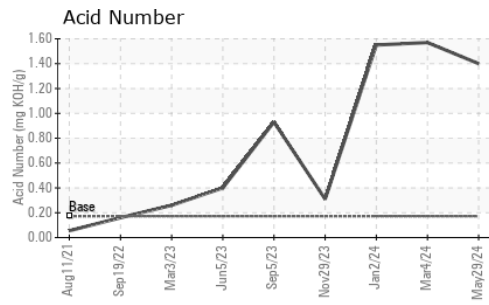
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	1	1	1
Potassium	ppm	ASTM D5185m	>20	1	1	0
Water	%	ASTM D6304	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	MODER
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

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	<1	0
Boron	ppm	ASTM D5185m	0.0	<1	1	2
Barium	ppm	ASTM D5185m	0.0	<1	0	2
Molybdenum	ppm	ASTM D5185m	0	<1	0	<1
Manganese	ppm	ASTM D5185m	0	0	0	0
Magnesium	ppm	ASTM D5185m	0.0	<1	2	6
Calcium	ppm	ASTM D5185m	0.0	<1	0	8
Phosphorus	ppm	ASTM D5185m	966	644	531	672
Zinc	ppm	ASTM D5185m	0	109	0	0
Sulfur	ppm	ASTM D5185m	1309	318	471	443
Acid Number (AN)	mg KOH/g	ASTM D8045	0.172	1.40	1.57	1.55
Visc @ 40°C	cSt	ASTM D445	39.9	44.5	45.7	44.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCS06196760 **Received** : 31 May 2024
Lab Number : 06196760 **Tested** : 03 Jun 2024
Unique Number : 11058883 **Diagnosed** : 03 Jun 2024 - Doug Bogart
Test Package : IND 2 (Additional Tests: KF)

CRONIMET SPECIALTY METALS

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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)