



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area

**FG32**  
Machine Id

**SULLIVAN PALATEK 10F039 - T.F. HANSEN**

Component

**Compressor**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>UCS06159234</b>	UCH04754412	UCH04611009
Sample Date		Client Info		<b>25 Feb 2024</b>	21 Jun 2019	26 Aug 2018
Machine Age	hrs	Client Info		<b>54073</b>	52561	0
Oil Age	hrs	Client Info		<b>800</b>	3000	4000
Filter Age	hrs	Client Info		<b>800</b>	1500	1000
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	SEVERE	ABNORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>0</b>	<1	2
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	0	<1
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	1
Copper	ppm	ASTM D5185m	>50	<b>1</b>	8	45
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

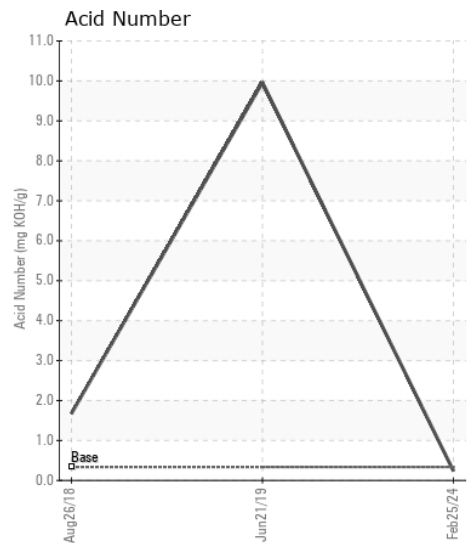
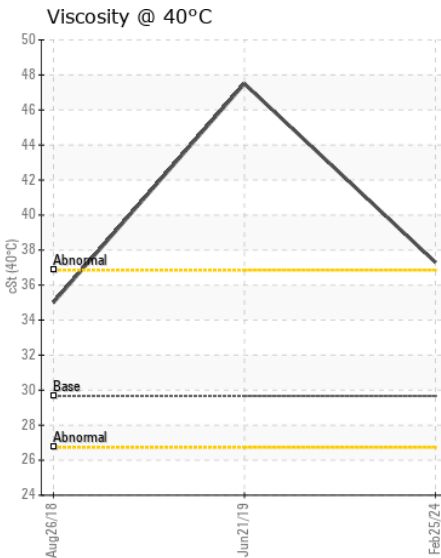
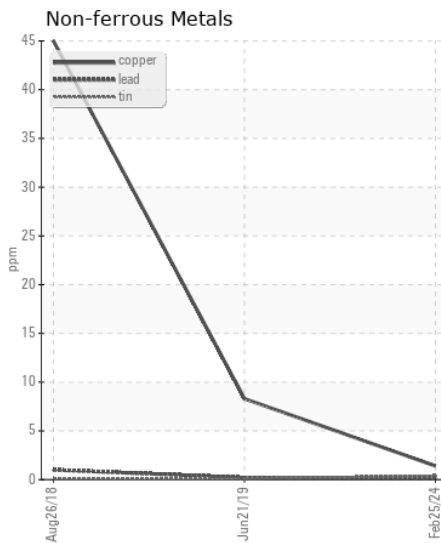
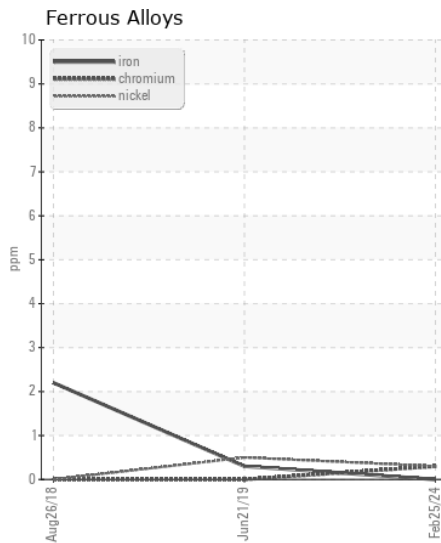
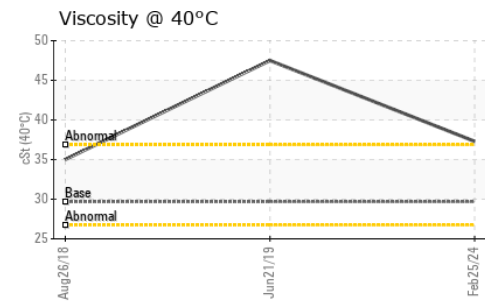
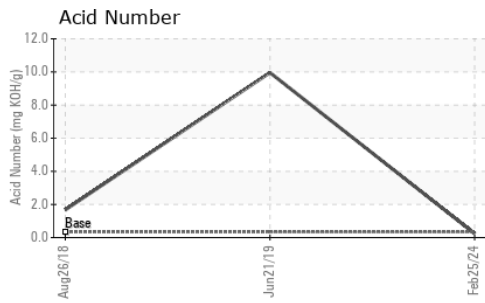
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	0
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	4	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	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		<b>&lt;1</b>	34	6
Boron	ppm	ASTM D5185m	0	<b>0</b>	6	<1
Barium	ppm	ASTM D5185m	0	<b>6</b>	0	3
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m	0	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>&lt;1</b>	3	<1
Calcium	ppm	ASTM D5185m	0	<b>3</b>	5	23
Phosphorus	ppm	ASTM D5185m	309	<b>256</b>	836	180
Zinc	ppm	ASTM D5185m	0	<b>5</b>	21	56
Sulfur	ppm	ASTM D5185m	267	<b>1049</b>	842	216
Acid Number (AN)	mg KOH/g	ASTM D8045	0.336	<b>0.24</b>	▲ 9.960	▲ 1.674
Visc @ 40°C	cSt	ASTM D445	29.67	<b>37.3</b>	● 47.5	● 35.01



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS06159234  
**Lab Number** : 06159234  
**Unique Number** : 10994657  
**Test Package** : IND 2

**Received** : 24 Apr 2024  
**Tested** : 25 Apr 2024  
**Diagnosed** : 26 Apr 2024 - Jonathan Hester

**COMPLETE ENGINEERED SOLUTIONS - CES**  
 4772 FRONTIER WAY UNIT 400  
 STOCKTON, CA  
 US 95215

Contact: CHRISTO GINGRAS  
 christo@complete-es.net

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)

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