

Area

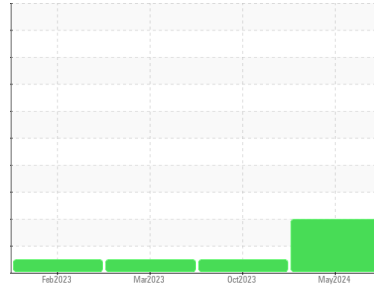
**PALLUBE 32**

Machine Id

**PALATEK 1805210001 - SONSTEGARD FOODS**

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**

There is a light concentration of water present in the oil. 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 acceptable for the time in service.

**SAMPLE INFORMATION**

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UCS06194158</b>	UCS06023847	UCS05794607
Sample Date	Client Info		<b>01 May 2024</b>	29 Oct 2023	03 Mar 2023
Machine Age	hrs	Client Info	<b>49266</b>	40106	39718
Oil Age	hrs	Client Info	<b>0</b>	0	3500
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>ABNORMAL</b>	NORMAL	NORMAL

**WEAR METALS**

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>22</b>	0	<1
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	<b>1</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>3</b>	0	<1
Lead	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>1</b>	0	<1
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 1	<b>3</b>	0	0
Barium	ppm	ASTM D5185m 730	<b>222</b>	226	584
Molybdenum	ppm	ASTM D5185m 0	<b>11</b>	0	0
Manganese	ppm	ASTM D5185m 0.0	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m 0	<b>33</b>	0	<1
Calcium	ppm	ASTM D5185m 0	<b>86</b>	3	3
Phosphorus	ppm	ASTM D5185m 0	<b>107</b>	9	8
Zinc	ppm	ASTM D5185m 0	<b>91</b>	6	1
Sulfur	ppm	ASTM D5185m 590	<b>788</b>	578	478

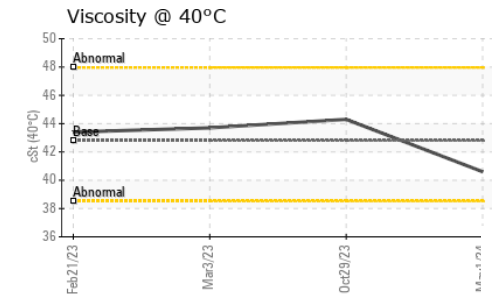
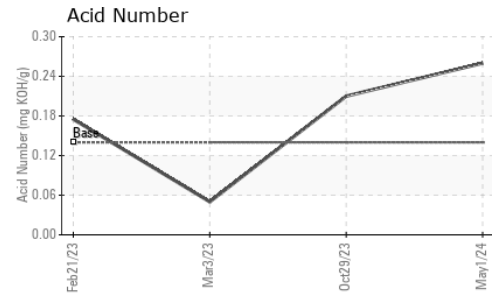
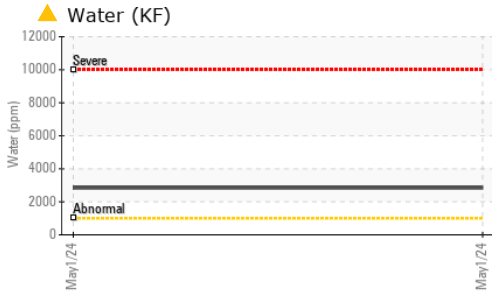
**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>4</b>	0	0
Sodium	ppm	ASTM D5185m	<b>63</b>	63	39
Potassium	ppm	ASTM D5185m >20	<b>6</b>	6	4
Water	%	ASTM D6304 >0.1	<b>▲ 0.284</b>	---	---
ppm Water	ppm	ASTM D6304 >1000	<b>▲ 2840</b>	---	---

**FLUID DEGRADATION**

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.14	<b>0.26</b>	0.21	0.05

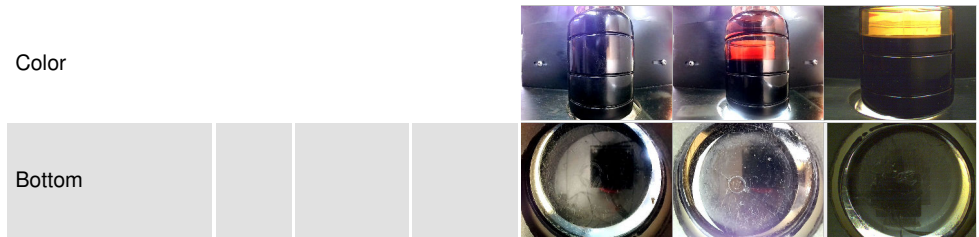
# OIL ANALYSIS REPORT



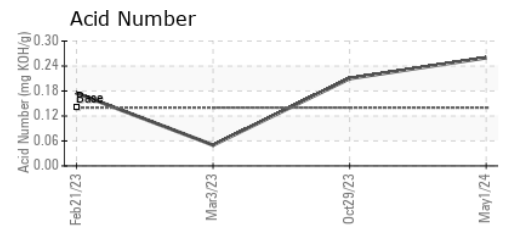
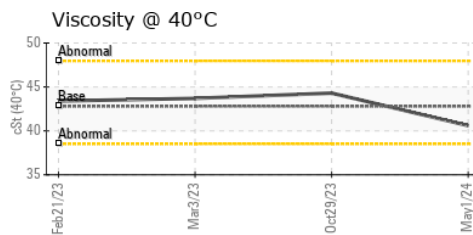
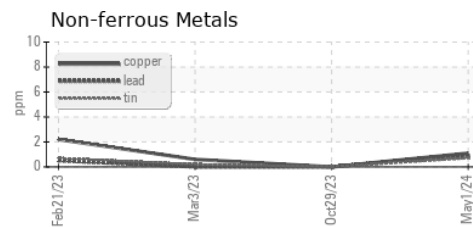
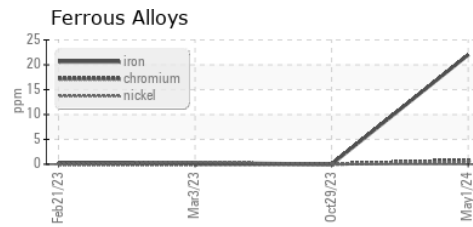
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	▲ MODER	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	42.8	40.6	44.3

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.** : UCS06194158  
**Lab Number** : 06194158  
**Unique Number** : 11056281  
**Test Package** : IND 2 ( Additional Tests: KF )

**AIR COMPRESSOR EQUIPMENT COMPANY**

LOWELL, AZ  
US 72745

Contact: TONY PEARSON  
WPEARSON@ACEC-ARK.COM

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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