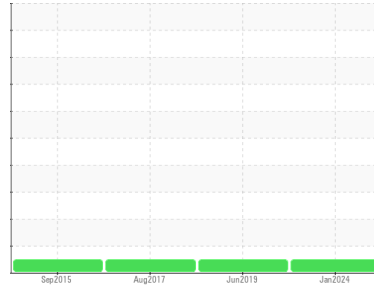




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area

**80 XP [80088]**

Machine Id

**PALATEK 1307100003 - TRUSCO**

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 suitable for further service.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UCH06144349</b>	UCH04760545	UCH04302600
Sample Date	Client Info		<b>18 Jan 2024</b>	25 Jun 2019	28 Aug 2017
Machine Age	hrs	Client Info	<b>32740</b>	14287	8157
Oil Age	hrs	Client Info	<b>2265</b>	2501	4053
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>&lt;1</b>	0	<1
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
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	0
Lead	ppm	ASTM D5185m >25	<b>&lt;1</b>	2	<1
Copper	ppm	ASTM D5185m >50	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185m >15	<b>1</b>	<1	<1
Antimony	ppm	ASTM D5185m	<b>---</b>	3	0
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 0.1	<b>0</b>	0	<1
Barium	ppm	ASTM D5185m 0.8	<b>0</b>	<1	2
Molybdenum	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m 0.9	<b>&lt;1</b>	<1	1
Magnesium	ppm	ASTM D5185m 0	<b>&lt;1</b>	0	2
Calcium	ppm	ASTM D5185m 0	<b>3</b>	1	6
Phosphorus	ppm	ASTM D5185m 409	<b>283</b>	474	1217
Zinc	ppm	ASTM D5185m 0	<b>55</b>	30	15
Sulfur	ppm	ASTM D5185m 1290	<b>1183</b>	310	407

### CONTAMINANTS

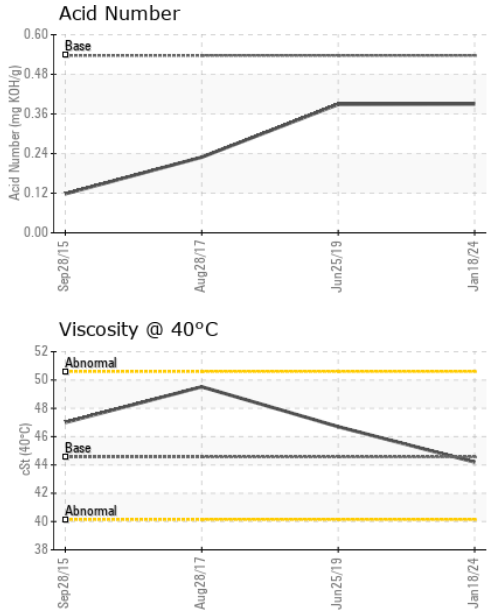
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>&lt;1</b>	<1	4
Sodium	ppm	ASTM D5185m	<b>0</b>	5	19
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	2

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.537	<b>0.39</b>	0.389	0.229



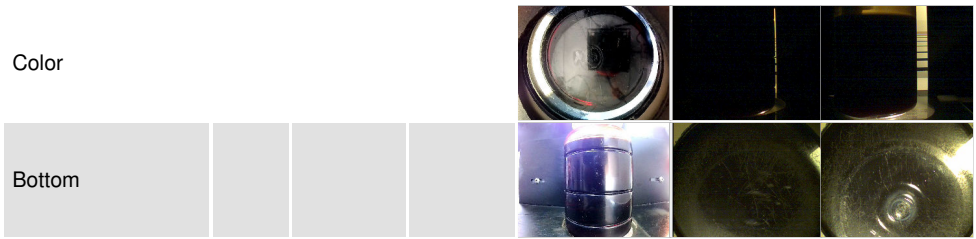
# OIL ANALYSIS REPORT



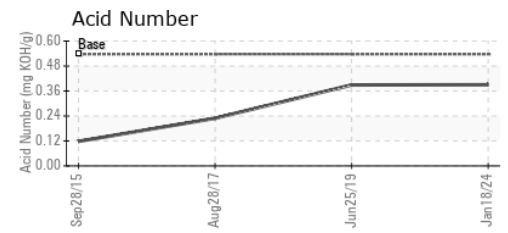
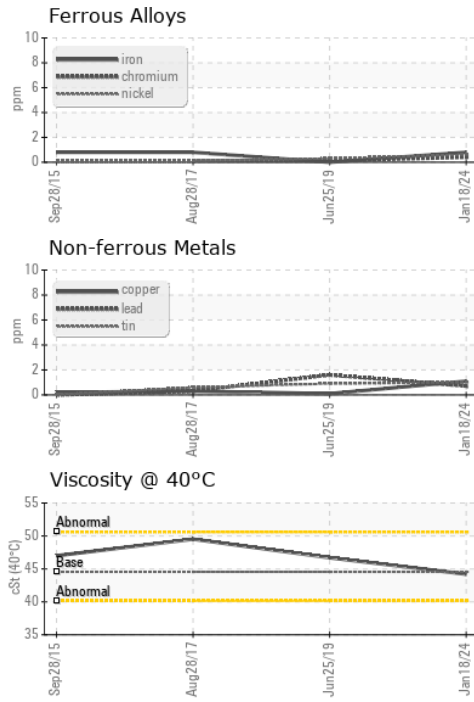
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE
Sand/Dirt	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.56	<b>44.2</b>	46.7

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06144349      **Received** : 10 Apr 2024  
**Lab Number** : **06144349**      **Tested** : 11 Apr 2024  
**Unique Number** : 10969157      **Diagnosed** : 12 Apr 2024 - Sean Felton  
**Test Package** : IND 2

**CAL SUPPLY COMPANY**  
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 US 02920  
 Contact: SUE PARRILLO  
 sparrillo@calsupplycompany.com  
 T: (401)946-1300  
 F: (401)946-0055

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)