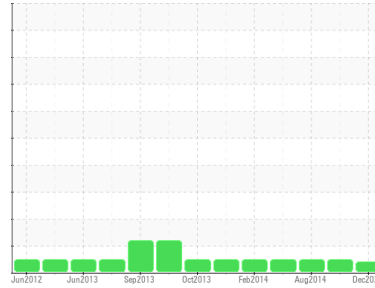




# OIL ANALYSIS REPORT

Sample Rating Trend



## VISCOSITY



Area  
**5-80 XP**  
 Machine Id  
**PALATEK 11H056 - ASPEN AEROGELS**  
 Component  
**Compressor**

### DIAGNOSIS

#### ▲ Recommendation

No corrective action is recommended at this time. 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 component.

#### ▲ Fluid Condition

The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UCH06064415</b>	UCH04321523	UCH03582665
Sample Date	Client Info		<b>06 Dec 2023</b>	13 Sep 2017	08 Aug 2014
Machine Age	hrs	Client Info	<b>0</b>	44142	20926
Oil Age	hrs	Client Info	<b>900</b>	8300	5121
Oil Changed	Client Info		<b>N/A</b>	Changed	Changed
Sample Status			<b>ATTENTION</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>12</b>	<1	<1
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	0	0
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D5185m >15	<b>0</b>	0	0
Antimony	ppm	ASTM D5185m	<b>---</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	<1	0

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0.1	<b>0</b>	1	1
Barium	ppm	ASTM D5185m 0.8	<b>5</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m 0.9	<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m 0	<b>0</b>	5	0
Calcium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m 409	<b>395</b>	242	156
Zinc	ppm	ASTM D5185m 0	<b>0</b>	<1	1
Sulfur	ppm	ASTM D5185m 1290	<b>563</b>	154	775

### CONTAMINANTS

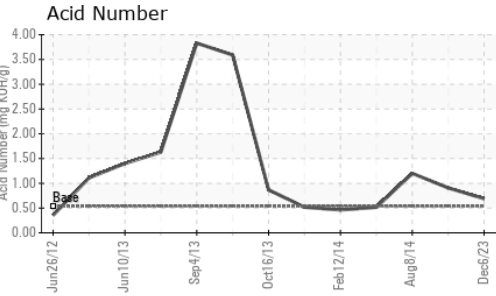
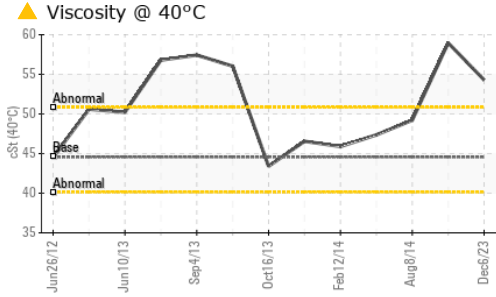
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>6</b>	1	<1
Sodium	ppm	ASTM D5185m	<b>1</b>	2	<1
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	1

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.537	<b>0.69</b>	0.907	1.20



# OIL ANALYSIS REPORT





VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
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	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.56 <span style="color: green;">▲ 54.3</span>	58.96	49.21



SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

**Color**

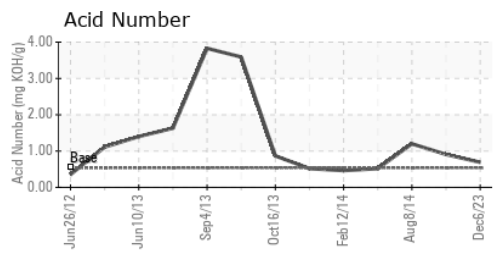
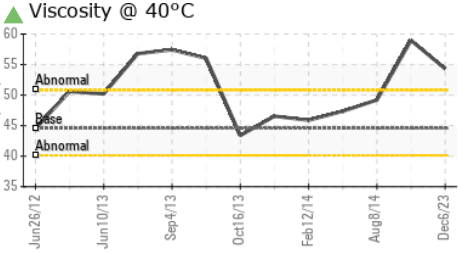
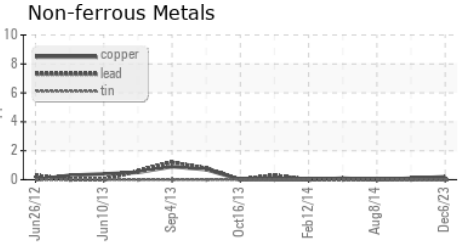
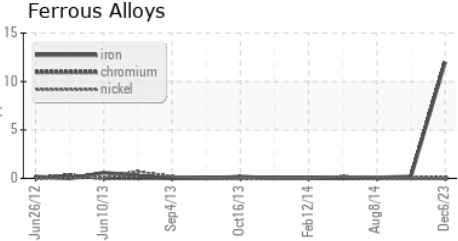
no image

**Bottom**

no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06064415 **Recieved** : 18 Jan 2024  
**Lab Number** : 06064415 **Diagnosed** : 21 Jan 2024  
**Unique Number** : 10835797 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**CAL SUPPLY COMPANY**  
 259 MACKLIN ST  
 CRANSTON, RI  
 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)