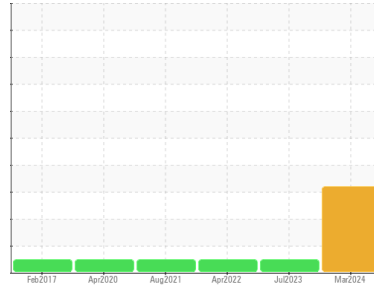


Area  
**PALASYN 45**  
Machine Id  
**PALATEK 1206280007 - ACCO**  
Component  
**Compressor**



**DIAGNOSIS**

**Recommendation**  
We advise that you follow the water drain-off procedure for this component. 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. Free water present.

**Fluid Condition**  
The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>UCS06132754</b>	UCS05905575	UCH05529750
Sample Date	Client Info			<b>01 Mar 2024</b>	10 Jul 2023	12 Apr 2022
Machine Age	hrs	Client Info		<b>0</b>	35467	31865
Oil Age	hrs	Client Info		<b>0</b>	500	31865
Oil Changed	Client Info			<b>N/A</b>	Not Changd	Changed
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

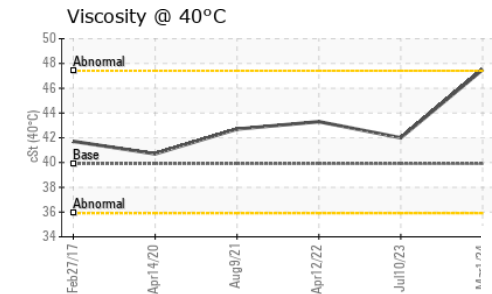
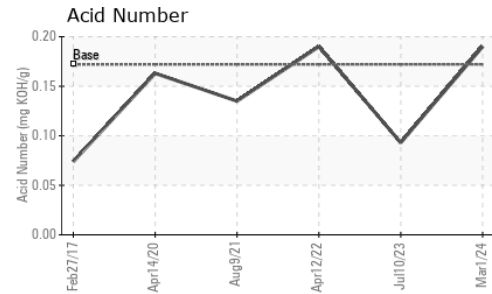
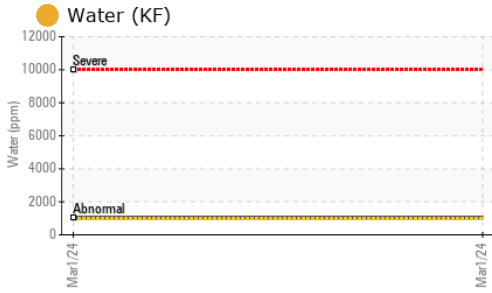
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>2</b>	3	0
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	0	<1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>0</b>	<1	0
Tin	ppm	ASTM D5185m	>15	<b>0</b>	<1	<1
Antimony	ppm	ASTM D5185m		<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.0	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	0	17
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	0	<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m	0.0	<b>0</b>	0	0
Calcium	ppm	ASTM D5185m	0.0	<b>0</b>	<1	0
Phosphorus	ppm	ASTM D5185m	966	<b>503</b>	692	485
Zinc	ppm	ASTM D5185m	0	<b>0</b>	0	0
Sulfur	ppm	ASTM D5185m	1309	<b>1130</b>	1858	168

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>2</b>	5	<1
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	1
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
Water	%	ASTM D6304	>0.1	<b>0.103</b>	---	---
ppm Water	ppm	ASTM D6304	>1000	<b>1030</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.172	<b>0.19</b>	0.093	0.19

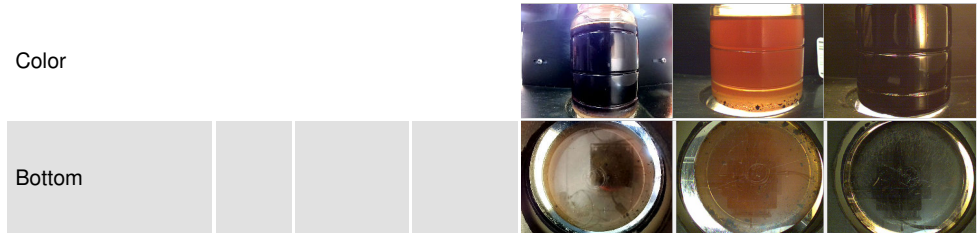
# OIL ANALYSIS REPORT



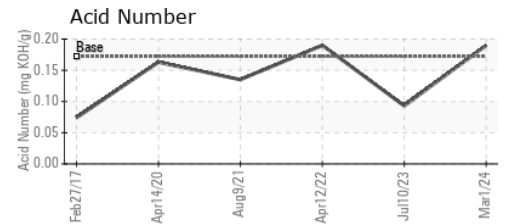
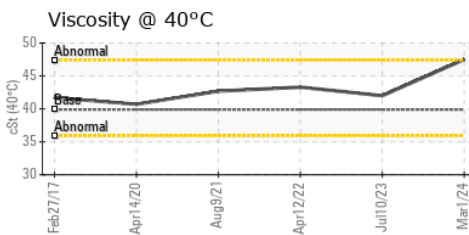
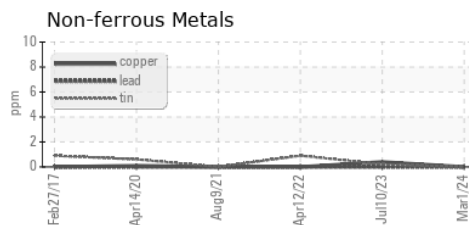
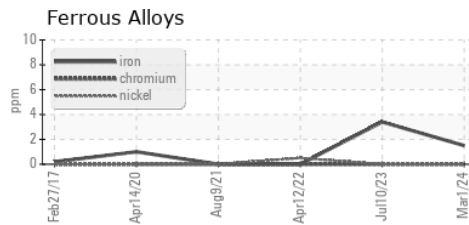
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	MODER
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE
Sand/Dirt	scalar	*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>0.2%</b>	NEG
Free Water	scalar	*Visual		<b>2.0</b>	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	39.9	<b>47.5</b>	42.0

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.** : UCS06132754 **Received** : 28 Mar 2024  
**Lab Number** : **06132754** **Tested** : 01 Apr 2024  
**Unique Number** : 10952219 **Diagnosed** : 02 Apr 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF )

**D & D COMPRESSOR INC**

SAN JOSE, CA  
US 95112

Contact: EDNA IADIANO  
edna@danddcompressor.com

T: (408)947-0491

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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