## Sullivan Palatek

#### **PROBLEM SUMMARY**

Sample Rating Trend

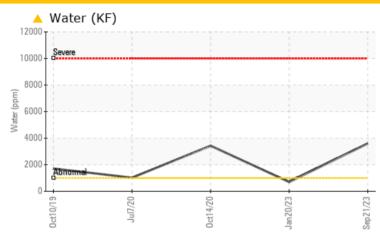
WATER

WATER

## PALEXTRA 44 [80122620] Machine Id SULLIVAN PALATEK 1801290003 - AMCON

Component Compressor

#### **COMPONENT CONDITION SUMMARY**



#### RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status		ATTENTION	NORMAL	NORMAL				
Water	%	ASTM D6304	>0.1	<b>△</b> 0.360	0.070			
ppm Water	ppm	ASTM D6304	>1000	<b>3600</b>	699			
Emulsified Water	scalar	*Visual	>0.1	<b>0.2%</b>	NEG	NEG		
Free Water	scalar	*Visual		<b>10.0</b>	NEG	NEG		

Customer Id: UCLIFSIO Sample No.: UCS05962335 Lab Number: 05962335 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

#### **RECOMMENDED ACTIONS**

Action	Status	Date	Done By	Description
Water Drain-off			?	We advise that you follow the water drain-off procedure for this component.
Resample			?	We recommend an early resample to monitor this condition.

#### HISTORICAL DIAGNOSIS

#### 20 Jan 2023 Diag: Don Baldridge

#### NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



#### 11 Feb 2022 Diag: Angela Borella

#### NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

# view report

#### 14 Oct 2020 Diag: Angela Borella

#### WATER



The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a light concentration of water present in the oil. Free water present. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



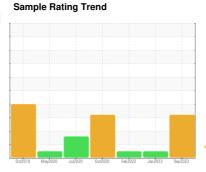


#### **OIL ANALYSIS REPORT**

### PALEXTRA 44 [80122620] **SULLIVAN PALATEK 1801290003 - AMCON**

Component

Compressor





#### **DIAGNOSIS**

#### Recommendation

We advise that you follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

#### Wear

All component wear rates are normal.

#### Contamination

There is a moderate amount of visible silt present in the sample. There is a light concentration of water present in the oil. Excessive free water present.

#### **Fluid Condition**

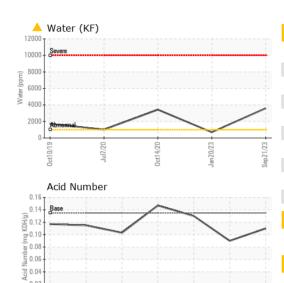
The AN level is acceptable for this fluid.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCS05962335	UCS05750921	UCS05471449
Sample Date		Client Info		21 Sep 2023	20 Jan 2023	11 Feb 2022
Machine Age	hrs	Client Info		20273	18202	15363
Oil Age	hrs	Client Info		2071	4030	1191
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	10	6
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	2	2
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	1	2	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
Gaarrian	ppiii	710 1111 20 100111		V	· ·	· ·
ADDITIVES	ррш	method	limit/base	current	history1	history2
	ppm		limit/base			
ADDITIVES		method		current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	0	current 0	history1	history2 <1
ADDITIVES Boron Barium	ppm ppm	method ASTM D5185m ASTM D5185m	0	current 0 0	history1 0 0	history2 <1 0
ADDITIVES Boron Barium Molybdenum	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	0 0.3 0	current 0 0 0	history1 0 0 0	history2 <1 0 0
ADDITIVES  Boron  Barium  Molybdenum  Manganese	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0.3 0 0.3 0.4	current 0 0 0 0	history1 0 0 0 0 <	history2 <1 0 0 <1 <1
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium	ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0.3 0 0.3 0.4	current 0 0 0 0 0	history1 0 0 0  0 <1 <1	history2 <1 0 0 <1 <1 0
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium	ppm ppm ppm ppm ppm	method  ASTM D5185m  ASTM D5185m  ASTM D5185m  ASTM D5185m  ASTM D5185m  ASTM D5185m	0 0.3 0 0.3 0.4	current 0 0 0 0 0 0 16	history1  0 0 0 <-1 <-1 68	history2 <1 0 0 <1 0 16
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus	ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	0 0.3 0 0.3 0.4 0 689	current 0 0 0 0 0 0 16 520	history1  0 0 0  0  <1   68  404	history2 <1 0 0 <1 0 16 419
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus  Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	0 0.3 0 0.3 0.4 0 689	current 0 0 0 0 0 0 16 520 0	history1  0 0 0 <1 <1 68 404 0	history2 <1 0 0 <1 0 16 419
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus  Zinc  Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	0 0.3 0 0.3 0.4 0 689 0	current 0 0 0 0 0 16 520 0 810 current	history1  0 0 0	history2 <1 0 0 <1 0 16 419 0 805
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus  Zinc  Sulfur  CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	0 0.3 0 0.3 0.4 0 689 0 1237	current 0 0 0 0 0 16 520 0 810 current	history1  0 0 0 <1 <1 <1 68 404 0 710 history1	history2  <1 0 0 16 419 0 805 history2
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus  Zinc  Sulfur  CONTAMINANTS  Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	0 0.3 0 0.3 0.4 0 689 0 1237	current 0 0 0 0 0 16 520 0 810 current	history1  0 0 0	history2  <1 0 0 0 <1 0 16 419 0 805 history2 10
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus  Zinc  Sulfur  CONTAMINANTS  Silicon  Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	0 0.3 0 0.3 0.4 0 689 0 1237 limit/base >25	current 0 0 0 0 0 16 520 0 810 current	history1  0 0 0 0 <1 <1 <1 68 404 0 710 history1 15	history2  <1 0 0 0 <1 0 16 419 0 805 history2 10 2
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus  Zinc  Sulfur  CONTAMINANTS  Silicon  Sodium  Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	0 0.3 0 0.3 0.4 0 689 0 1237 limit/base >25 >20	current 0 0 0 0 0 0 16 520 0 810 current 11 2	history1  0  0  0  <1 <1 <68  404  0  710  history1  15  7  1	history2  <1 0 0 <1 0 16 419 0 805 history2 10 2 0
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus  Zinc  Sulfur  CONTAMINANTS  Silicon  Sodium  Potassium  Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	0 0.3 0 0.3 0.4 0 689 0 1237 limit/base >25 >20 >0.1	current  0  0  0  0  0  16  520  0  810  current  11  2  0  0.360	history1  0  0  0  <1 <1 <1 68 404 0 710 history1  15 7 1 0.070	history2  <1 0 0 16 419 0 805 history2 10 2 0

## **Sullivan**

0.02 0.00

#### **OIL ANALYSIS REPORT**



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.1	<b>0.2%</b>	NEG	NEG
Free Water	scalar	*Visual		<b>10.0</b>	NEG	NEG
ELLID DDODEDT	IEC	mathad	limit/booo	ourront.	hiotomut	hiotom/0

FLUID PROPER	RIIES	metnoa	ilmit/base	current	nistory i	nistory
Visc @ 40°C	cSt	ASTM D445	44.62	44.8	49.5	52.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
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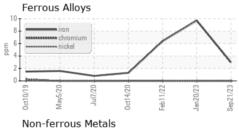
Viscosity @ 40°C 52 50 42 40 38

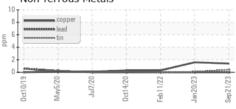
**Bottom** 

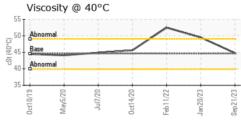


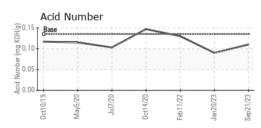
#### **GRAPHS**

Color











Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10668886

: UCS05962335 : 05962335

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

Diagnosed Diagnostician : Don Baldridge

: 27 Sep 2023 : 28 Sep 2023

Test Package : IND 2 (Additional Tests: KF)

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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