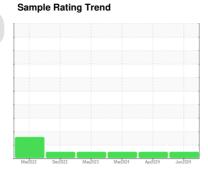


#### **OIL ANALYSIS REPORT**

### PALEXTRA 44 PALATEK 21KE002658 - GREIF TAYLORS SC

Component Compressor





#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the

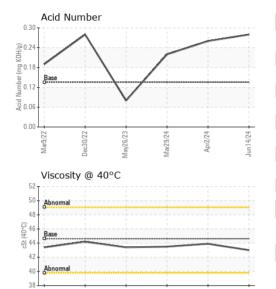
#### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         10565         0         36355           Oil Age         hrs         Client Info         0         0         1           Oil Changed         Client Info         Not Changd         Not Changd         Changed           Sample Status         Normal         Normal         Normal         Normal           CONTAMINATION         method         limit/base         current         history1         history1           Water         WC Method         >0.1         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTM D5185m         >50         0         0         0           Orbromium         ppm         ASTM D5185m         >50         0         0         0           Nickel         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         >25         0         1         0           Capper         ppm <t< td=""><td>Sample Number</td><td></td><td>Client Info</td><td></td><th>UCS06220407</th><td>UCS06142335</td><td>UCS06164565</td></t<>	Sample Number		Client Info		UCS06220407	UCS06142335	UCS06164565
Oil Age         hrs         Client Info         Not Changd         Not Changd         Changed Changed         Changed Changed         NoRMAL         NO	Sample Date		Client Info		14 Jun 2024	02 Apr 2024	29 Mar 2024
Oil Changed Sample Status         Client Info         Not Changd NORMAL         Not Changed NORMAL         Changed NORMAL         Changed NORMAL         Changed NORMAL         Changed NORMAL	Machine Age	hrs	Client Info		10565	0	36355
NORMAL   NORMAL   NORMAL   NORMAL   CONTAMINATION   method   limit/base   current   history1   history   history	Oil Age	hrs	Client Info		0	0	1
CONTAMINATION         method         limit/base         current         history1         history1           Water         WC Method         >0.1         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTM D5185m         >50         0         0         0           Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         0         0         0         0           Aluminum         ppm         ASTM D5185m         >25         0         1         0           Lead         ppm         ASTM D5185m         >25         0         0         0           Copper         ppm         ASTM D5185m         >50         0         0         0           Tin         ppm         ASTM D5185m         >50         0         0         0           Vanadium         ppm         ASTM D5185m         0         0         0         0	Oil Changed		Client Info		Not Changd	Not Changd	Changed
Water         WC Method         >0.1         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTM D5185m         >50         0         0         0           Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         >25         0         1         0           Aluminum         ppm         ASTM D5185m         >25         0         1         0           Lead         ppm         ASTM D5185m         >50         0         0         0           Copper         ppm         ASTM D5185m         >50         0         0         0           Cadad         ppm         ASTM D5185m         >15         0         <1         <1           Vanadium         ppm         ASTM D5185m         0         0         0         0 <t< td=""><td>Sample Status</td><td></td><td></td><td></td><th>NORMAL</th><td>NORMAL</td><td>NORMAL</td></t<>	Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTM D5185m         >50         0         0         0           Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         0         <1	CONTAMINATIO	N	method	limit/base	current	history1	history2
Iron	Water		WC Method	>0.1	NEG	NEG	NEG
Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         0         <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel         ppm         ASTM D5185m         0         <1         0           Titanium         ppm         ASTM D5185m         0         0         0           Silver         ppm         ASTM D5185m         0         0         0           Aluminum         ppm         ASTM D5185m         >25         0         1         0           Lead         ppm         ASTM D5185m         >50         0         0         0           Copper         ppm         ASTM D5185m         >50         0         0         0           Tin         ppm         ASTM D5185m         >15         0         <1	Iron	ppm	ASTM D5185m	>50	0	0	0
Titanium	Chromium	ppm	ASTM D5185m	>10	0	0	0
Silver         ppm         ASTM D5185m         0         0         0           Aluminum         ppm         ASTM D5185m         >25         0         1         0           Lead         ppm         ASTM D5185m         >25         0         0         0           Copper         ppm         ASTM D5185m         >50         0         0         0           Tin         ppm         ASTM D5185m         >15         0         <1	Nickel	ppm	ASTM D5185m		0	<1	0
Aluminum         ppm         ASTM D5185m         >25         0         1         0           Lead         ppm         ASTM D5185m         >25         0         0         0           Copper         ppm         ASTM D5185m         >50         0         0         0           Tin         ppm         ASTM D5185m         >15         0         <1	Titanium	ppm	ASTM D5185m		0	0	0
Lead         ppm         ASTM D5185m         >25         0         0         0           Copper         ppm         ASTM D5185m         >50         0         0         0           Tin         ppm         ASTM D5185m         >15         0         <1         <1           Vanadium         ppm         ASTM D5185m         >15         0         <1         <1           Cadmium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history1           Boron         ppm         ASTM D5185m         0         0         0         0           Boron         ppm         ASTM D5185m         0.3         0         0         <1           Boron         ppm         ASTM D5185m         0.3         0         0         <1         <1           Molybdenum         ppm         ASTM D5185m         0.3         0         0         0         <1           Manganese         ppm         ASTM D5185m         0.4         0         16         0           Calcium         ppm         ASTM D5185m         0 <th< td=""><td>Silver</td><td>ppm</td><td>ASTM D5185m</td><td></td><th>0</th><td>0</td><td>0</td></th<>	Silver	ppm	ASTM D5185m		0	0	0
Copper         ppm         ASTM D5185m         >50         0         0         0           Tin         ppm         ASTM D5185m         >15         0         <1	Aluminum	ppm	ASTM D5185m	>25	0	1	0
Tin         ppm         ASTM D5185m         >15         0         <1         <1           Vanadium         ppm         ASTM D5185m         >15         0         <1         <1           Cadmium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history1           Boron         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0.3         0         0         <1           Molybdenum         ppm         ASTM D5185m         0.3         0         0         0           Manganese         ppm         ASTM D5185m         0.3         0         0         0           Magnesium         ppm         ASTM D5185m         0.4         0         16         0           Calcium         ppm         ASTM D5185m         0         0         36         0           Phosphorus         ppm         ASTM D5185m         0         0         22         0           Sulfur         ppm         ASTM D5185m         1237         775         784 <td>Lead</td> <td>ppm</td> <td>ASTM D5185m</td> <td>&gt;25</td> <th>0</th> <td>0</td> <td>0</td>	Lead	ppm	ASTM D5185m	>25	0	0	0
Vanadium         ppm         ASTM D5185m         <1         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history1           Boron         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0.3         0         0         <1           Molybdenum         ppm         ASTM D5185m         0.3         0         0         0           Magnesium         ppm         ASTM D5185m         0.3         0         0         0           Magnesium         ppm         ASTM D5185m         0.4         0         16         0           Calcium         ppm         ASTM D5185m         0         0         36         0           Phosphorus         ppm         ASTM D5185m         689         607         623         530           Zinc         ppm         ASTM D5185m         1237         775         784         904           CONTAMINANTS         method         limit/base         current         history1	Copper	ppm	ASTM D5185m	>50	0	0	0
Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history1           Boron         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0.3         0         0         <1	Tin	ppm	ASTM D5185m	>15	0	<1	<1
ADDITIVES         method         limit/base         current         history1         history1           Boron         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0.3         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         0.3         0         0         0           Magnesium         ppm         ASTM D5185m         0.4         0         16         0           Calcium         ppm         ASTM D5185m         0         0         36         0           Phosphorus         ppm         ASTM D5185m         0         0         22         0           Sulfur         ppm         ASTM D5185m         0         0         22         0           Sulfur         ppm         ASTM D5185m         >25         5         3         6           Sodium         ppm         ASTM D5185m         >25         5         3         6           Sodium         ppm         ASTM D5185m         >20         1         1         <	Vanadium	ppm	ASTM D5185m		<1	0	0
Boron         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0.3         0         0         <1           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         0.3         0         0         0           Magnesium         ppm         ASTM D5185m         0.4         0         16         0           Calcium         ppm         ASTM D5185m         0         0         36         0           Phosphorus         ppm         ASTM D5185m         0         0         22         0           Zinc         ppm         ASTM D5185m         1237         775         784         904           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         5         3         6           Sodium         ppm         ASTM D5185m         >20         1         1         0           FLUID DEGRADATION         method         limit/base         current         history	Cadmium	ppm	ASTM D5185m		0	0	0
Barium         ppm         ASTM D5185m         0.3         0         0         <1           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         0.3         0         0         0           Magnesium         ppm         ASTM D5185m         0.4         0         16         0           Calcium         ppm         ASTM D5185m         0         0         36         0           Phosphorus         ppm         ASTM D5185m         0         0         36         0           Phosphorus         ppm         ASTM D5185m         0         0         22         0           Sulfur         ppm         ASTM D5185m         1237         775         784         904           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         5         3         6           Sodium         ppm         ASTM D5185m         >20         1         5         0	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         0.3         0         0         0           Magnesium         ppm         ASTM D5185m         0.4         0         16         0           Calcium         ppm         ASTM D5185m         0         0         36         0           Phosphorus         ppm         ASTM D5185m         689         607         623         530           Zinc         ppm         ASTM D5185m         0         0         22         0           Sulfur         ppm         ASTM D5185m         1237         775         784         904           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >20         1         1         0           Potassium         ppm         ASTM D5185m         >20         1         5         0	Boron	ppm	ASTM D5185m	0	0	0	0
Manganese         ppm         ASTM D5185m         0.3         0         0         0           Magnesium         ppm         ASTM D5185m         0.4         0         16         0           Calcium         ppm         ASTM D5185m         0         0         36         0           Phosphorus         ppm         ASTM D5185m         689         607         623         530           Zinc         ppm         ASTM D5185m         0         0         22         0           Sulfur         ppm         ASTM D5185m         1237         775         784         904           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         5         3         6           Sodium         ppm         ASTM D5185m         20         1         1         0           FLUID DEGRADATION         method         limit/base         current         history1         history1	Barium	ppm	ASTM D5185m	0.3	0	0	<1
Magnesium         ppm         ASTM D5185m         0.4         0         16         0           Calcium         ppm         ASTM D5185m         0         0         36         0           Phosphorus         ppm         ASTM D5185m         689         607         623         530           Zinc         ppm         ASTM D5185m         0         0         22         0           Sulfur         ppm         ASTM D5185m         1237         775         784         904           CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185m         >25         5         3         6           Sodium         ppm         ASTM D5185m         20         1         1         0           FLUID DEGRADATION         method         limit/base         current         history1         history1	Molybdenum	ppm	ASTM D5185m	0	0	0	0
Calcium         ppm         ASTM D5185m         0         0         36         0           Phosphorus         ppm         ASTM D5185m         689         607         623         530           Zinc         ppm         ASTM D5185m         0         0         22         0           Sulfur         ppm         ASTM D5185m         1237         775         784         904           CONTAMINANTS         method         limit/base         current         history1         history1         history           Silicon         ppm         ASTM D5185m         >25         5         3         6           Sodium         ppm         ASTM D5185m         1         1         1         0           Potassium         ppm         ASTM D5185m         >20         1         5         0	Manganese	ppm	ASTM D5185m	0.3	0	0	0
Phosphorus         ppm         ASTM D5185m         689         607         623         530           Zinc         ppm         ASTM D5185m         0         0         22         0           Sulfur         ppm         ASTM D5185m         1237         775         784         904           CONTAMINANTS         method         limit/base         current         history1         history1         history           Silicon         ppm         ASTM D5185m         >25         5         3         6           Sodium         ppm         ASTM D5185m         1         1         1         0           Potassium         ppm         ASTM D5185m         >20         1         5         0           FLUID DEGRADATION         method         limit/base         current         history1         history	Magnesium	ppm	ASTM D5185m	0.4	0	16	0
Zinc         ppm         ASTM D5185m         0         0         22         0           Sulfur         ppm         ASTM D5185m         1237         775         784         904           CONTAMINANTS         method         limit/base         current         history1         history1         history           Silicon         ppm         ASTM D5185m         >25         5         3         6           Sodium         ppm         ASTM D5185m         1         1         0           Potassium         ppm         ASTM D5185m         >20         1         5         0           FLUID DEGRADATION         method         limit/base         current         history1         history1	Calcium	ppm	ASTM D5185m	0	0	36	0
Sulfur         ppm         ASTM D5185m         1237         775         784         904           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         5         3         6           Sodium         ppm         ASTM D5185m         1         1         0           Potassium         ppm         ASTM D5185m         >20         1         5         0           FLUID DEGRADATION         method         limit/base         current         history1         history1	Phosphorus	ppm	ASTM D5185m	689	607	623	530
CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         5         3         6           Sodium         ppm         ASTM D5185m         1         1         0           Potassium         ppm         ASTM D5185m         >20         1         5         0           FLUID DEGRADATION         method         limit/base         current         history1         history1	Zinc	ppm	ASTM D5185m	0	0	22	0
Silicon         ppm         ASTM D5185m         >25         5         3         6           Sodium         ppm         ASTM D5185m         1         1         0           Potassium         ppm         ASTM D5185m         >20         1         5         0           FLUID DEGRADATION         method         limit/base         current         history1         history1	Sulfur	ppm	ASTM D5185m	1237	775	784	904
Sodium         ppm         ASTM D5185m         1         1         0           Potassium         ppm         ASTM D5185m         >20         1         5         0           FLUID DEGRADATION         method         limit/base         current         history1         history1         history1	CONTAMINANTS	;	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 <b>1</b> 5 0  FLUID DEGRADATION method limit/base current history1 history	Silicon	ppm	ASTM D5185m	>25	5	3	6
FLUID DEGRADATION method limit/base current history1 history	Sodium	ppm	ASTM D5185m		1	1	0
•	Potassium		ASTM D5185m	>20	1	5	0
Acid Number (AN)         mg KOH/g         ASTM D8045         0.135         0.28         0.26         0.22	FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.135	0.28	0.26	0.22

## **Sullivan**

#### **OIL ANALYSIS REPORT**



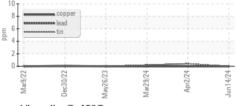
VISUAL		method				history2			
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE			
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE			
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE			
Silt	scalar	*Visual	NONE	NONE	NONE	NONE			
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT			
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE			
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML			
Odor	scalar	*Visual	NORML	NORML	NORML	NORML			
<b>Emulsified Water</b>	scalar	*Visual	>0.1	NEG	NEG	NEG			
Free Water	scalar	*Visual		NEG	NEG	NEG			
FILLID DDODEDTIES with a living a living a living a									
FLUID PROPERTIES		method	limit/base	current	history1	history2			
Visc @ 40°C	cSt	ASTM D445	44.62	43.0	43.9	43.5			
SAMPLE IMAGES		method	limit/base	current	history1	history2			

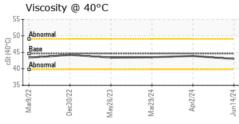
Color

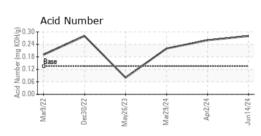




# Ferrous Alloys Non-ferrous Metals











Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06220407

Test Package : IND 2

: UCS06220407 Unique Number : 11098604

Received **Tested** 

: 25 Jun 2024 : 26 Jun 2024

Diagnosed : 26 Jun 2024 - Wes Davis

To discuss this sample report, contact Customer Service at 1-800-237-1369.

US 29609 Contact: SCOTT scott@aircompressorservices.com

AIR COMPRESSOR SERVICES

T: (877)592-9892

\* - 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)

GREENVILLE, SC