### <u>Sullivan</u> Palatek.

## **OIL ANALYSIS REPORT**

Sample Rating Trend

### NORMAL

#### Area PALEXTRA 44 Machine To SULLIVAN PALATEK 23EE004043 - GOEREND TRANSMISSION Component

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.

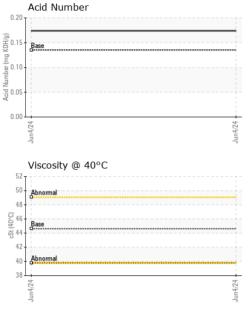
#### Fluid Condition

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

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCS06204793		
Sample Date		Client Info		04 Jun 2024		
Machine Age	hrs	Client Info		981		
Oil Age	hrs	Client Info		981		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
			11.0011/10.000		In the term of	history O
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>25	<1		
Copper	ppm	ASTM D5185m	>50	<1		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	0.3	3		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m	0.3	<1		
Magnesium	ppm	ASTM D5185m	0.4	0		
Calcium	ppm	ASTM D5185m	0	0		
Phosphorus	ppm	ASTM D5185m	689	667		
Zinc	ppm	ASTM D5185m	0	0		
Sulfur	ppm	ASTM D5185m	1237	1312		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.135	0.174		



# **OIL ANALYSIS REPORT**



White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water Free Water <b>FLUID PROPERT</b> Visc @ 40°C SAMPLE IMAGES Color	cSt	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual <b>t</b> *Visual <b>t</b> <b>t</b> <b>t</b> <b>t</b> <b>t</b> <b>t</b> <b>t</b> <b>t</b> <b>t</b> <b>t</b>	NONE   NONE   NONE   NONE   NONE   NORML   NORML   >0.1   Iimit/base   44.62   Iimit/base	NONE NONE NONE NONE NORML NORML NORML NEG NEG SIB Current 39.8	      history1 history1	     history2  history2
Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES Color	scalar scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual <b>*</b> Visual <b>method</b> ASTM D445	NONE NONE NONE NORML NORML >0.1 limit/base 44.62	NONE NONE NONE NORML NORML NEG NEG Surrent 39.8	    history1  history1	    history2 
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES Color	scalar scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual <b>*</b> Visual <b>method</b> ASTM D445	NONE NONE NORML NORML >0.1 Imit/base	NONE NONE NORML NORML NEG NEG Ourrent 39.8	    history1 history1	   history2 
Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES Color	scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual <b>method</b> ASTM D445	NONE NORML NORML >0.1 limit/base 44.62	NONE NORML NORML NEG NEG Current 39.8	   history1  history1	   history2 
Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES Color	scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual method ASTM D445	NONE NORML >0.1 limit/base	NONE NORML NORML NEG NEG current 39.8	   history1  history1	  history2
Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES Color	scalar scalar scalar scalar IES	*Visual *Visual *Visual *Visual method ASTM D445	NORML NORML >0.1 limit/base 44.62	NORML NORML NEG NEG current 39.8	  history1  history1	  history2  history2
Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES Color	scalar scalar scalar IES cSt	*Visual *Visual *Visual method ASTM D445	NORML >0.1 limit/base 44.62	NORML NEG NEG current 39.8	  history1  history1	  history2  history2
Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES Color	scalar scalar IES cSt	*Visual *Visual method ASTM D445	>0.1 limit/base 44.62	NEG NEG current 39.8	 history1  history1	 history2  history2
Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES Color	scalar IES cSt	*Visual method ASTM D445	limit/base 44.62	NEG current 39.8	 history1  history1	 history2  history2
FLUID PROPERT Visc @ 40°C SAMPLE IMAGES Color	IES cSt	method ASTM D445	44.62	current 39.8	history1  history1	history2  history2
Visc @ 40°C SAMPLE IMAGES Color	cSt	ASTM D445	44.62	39.8	history1	 history2
SAMPLE IMAGES						
Color		method	limit/base	current		
				4.	no image	no image
Bottom						
					no image	no image
	5		Jun4/24			
Viscosity @ 40°C			( <sup>0</sup> )HO) 0.15 ( <sup>0</sup> )HO) 0.15 million 0.15	Acid Number		
/earCheck USA - 501 CS06204793 6204793	Recei Teste	<b>ved</b> : 10 <b>d</b> : 12	, NC 27513 ) Jun 2024 2 Jun 2024	Jun4,74		AIR SYSTEI AKEVILLE, N US 550
	Viscosity @ 40°C	Ferrous Alloys	Ferrous Alloys	Ferrous Alloys	Ferrous Alloys Non-ferrous Metals Viscosity @ 40°C Acid Number Uiscosity @ 40°C Acid Num	Ferrous Alloys     Image: Alloys <t< td=""></t<>

To discuss this sample report, \* - 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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Certificate L2367

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