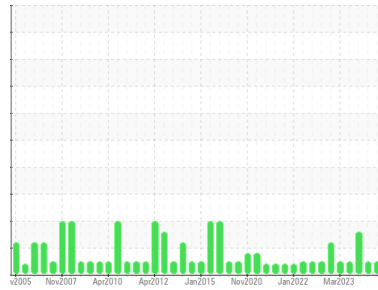




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**Southwest Area**

Machine Id  
**113CM12002**

Component  
**Turbine**

Fluid  
**ROYAL PURPLE SYNFILM GT 32 (500 GAL)**

## 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. The amount and size of particulates present in the system are acceptable.

### Fluid Condition

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

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>RP0020482</b>	RP0028109	RP0002489
Sample Date	Client Info	<b>09 Apr 2024</b>	21 Jan 2024	17 Oct 2023
Machine Age	hrs	Client Info	<b>0</b>	0
Oil Age	hrs	Client Info	<b>0</b>	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	ABNORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >15	<b>0</b>	0
Chromium	ppm	ASTM D5185m >4	<b>0</b>	0
Nickel	ppm	ASTM D5185m >2	<b>0</b>	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0
Silver	ppm	ASTM D5185m	<b>0</b>	0
Aluminum	ppm	ASTM D5185m >10	<b>0</b>	<1
Lead	ppm	ASTM D5185m	<b>0</b>	0
Copper	ppm	ASTM D5185m >5	<b>3</b>	6
Tin	ppm	ASTM D5185m >5	<b>&lt;1</b>	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0
Barium	ppm	ASTM D5185m	<b>0</b>	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0
Manganese	ppm	ASTM D5185m	<b>0</b>	<1
Magnesium	ppm	ASTM D5185m	<b>68</b>	68
Calcium	ppm	ASTM D5185m	<b>3</b>	6
Phosphorus	ppm	ASTM D5185m	<b>0</b>	0
Zinc	ppm	ASTM D5185m	<b>0</b>	0

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>0</b>	<1
Sodium	ppm	ASTM D5185m	<b>3</b>	4
Potassium	ppm	ASTM D5185m >20	<b>0</b>	0
Water	%	ASTM D6304 >0.03	<b>0.012</b>	0.005
ppm Water	ppm	ASTM D6304 >300	<b>123</b>	60

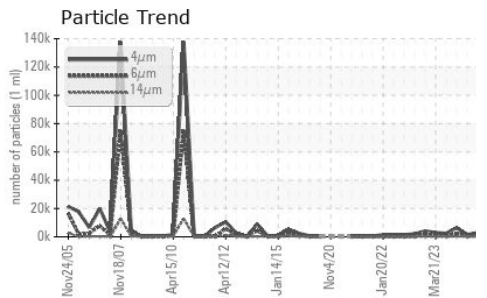
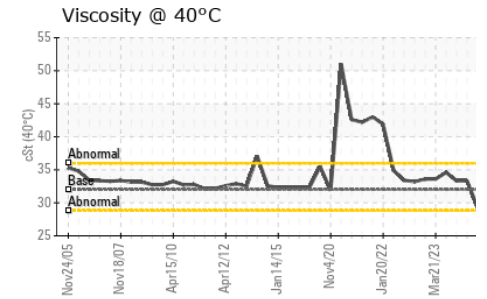
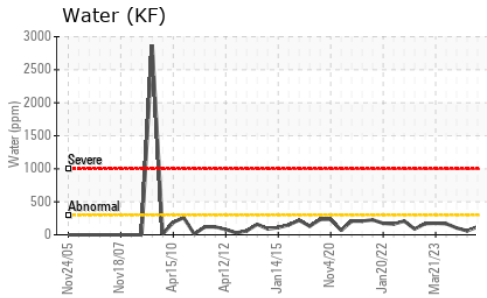
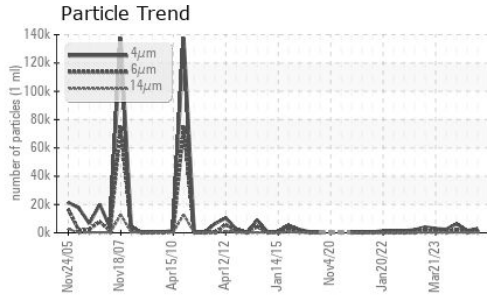
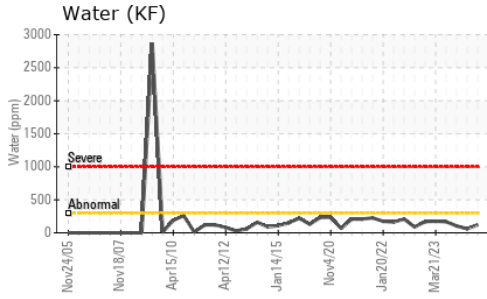
## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	<b>2860</b>	1604	6366
Particles >6µm	ASTM D7647 >1300	<b>901</b>	663	2334
Particles >14µm	ASTM D7647 >160	<b>141</b>	83	339
Particles >21µm	ASTM D7647 >40	<b>59</b>	25	100
Particles >38µm	ASTM D7647 >10	<b>3</b>	1	2
Particles >71µm	ASTM D7647 >3	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c) >--/17/14	<b>19/17/14</b>	18/17/14	20/18/16

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.36</b>	0.33

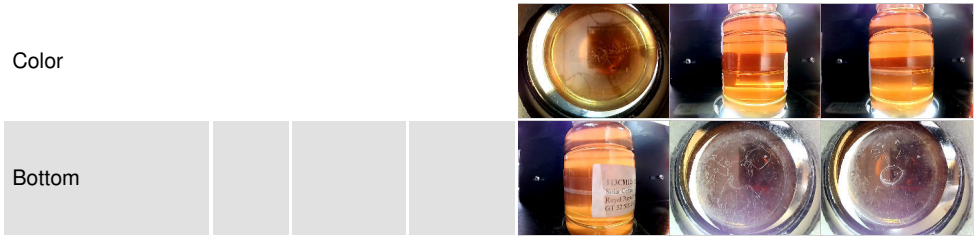
# OIL ANALYSIS REPORT



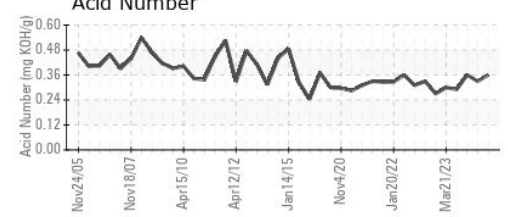
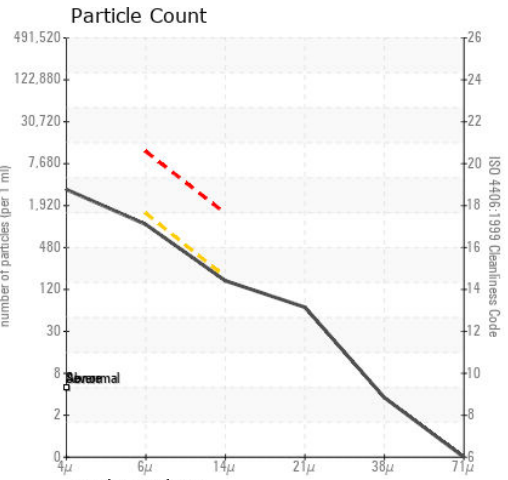
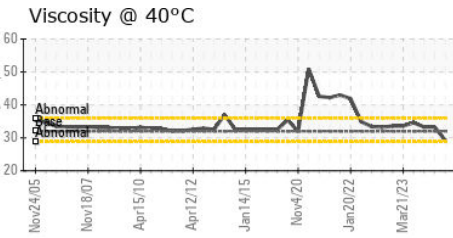
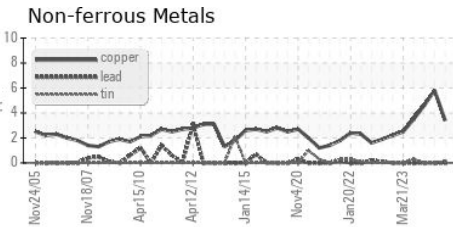
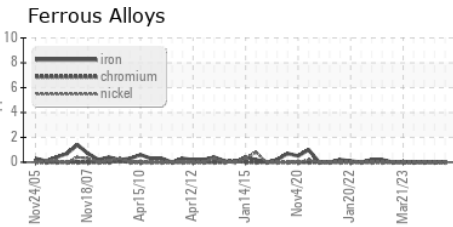
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.03	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	32	<b>29.3</b>	33.3	33.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0020482 **Received** : 10 Apr 2024  
**Lab Number** : 06144221 **Tested** : 11 Apr 2024  
**Unique Number** : 10969029 **Diagnosed** : 12 Apr 2024 - Angela Borella  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**ENTERPRISE PRODUCTS**  
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T: (281)217-1411  
F: (281)385-4327

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)