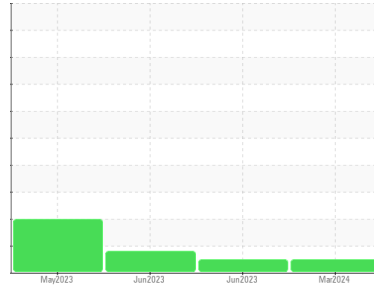




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**{UNASSIGNED}**  
 Machine Id  
**NOV-30P-303A (S/N 031)**  
 Component  
**Pump**  
 Fluid  
**ROYAL PURPLE SYNFILM GT 320 (3 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The water content is negligible. 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 INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>RP0043757</b>	RP0035756	RP0035753
Sample Date	Client Info			<b>22 Mar 2024</b>	27 Jun 2023	22 Jun 2023
Machine Age	hrs	Client Info		<b>16376</b>	12861	12586
Oil Age	hrs	Client Info		<b>4236</b>	275	227
Oil Changed	Client Info			<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	<b>5</b>	15	17
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>1</b>	<1	<1
Titanium	ppm	ASTM D5185m	>3	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>7	<b>1</b>	<1	<1
Lead	ppm	ASTM D5185m	>12	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>30	<b>5</b>	23	<b>31</b>
Tin	ppm	ASTM D5185m	>9	<b>1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

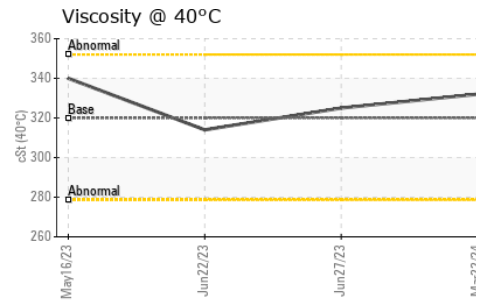
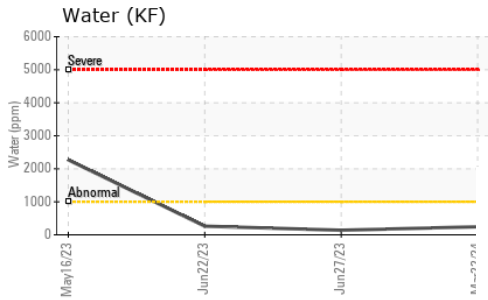
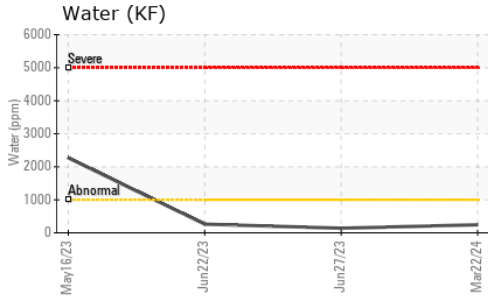
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	90	<b>0</b>	20	10
Calcium	ppm	ASTM D5185m		<b>59</b>	0	2
Phosphorus	ppm	ASTM D5185m		<b>293</b>	25	29
Zinc	ppm	ASTM D5185m		<b>0</b>	20	23

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	<b>&lt;1</b>	2	2
Sodium	ppm	ASTM D5185m		<b>5</b>	22	25
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	<1
Water	%	ASTM D6304	>.1	<b>0.024</b>	0.013	0.026
ppm Water	ppm	ASTM D6304	>1000	<b>245</b>	138.6	262.1

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.25	<b>1.33</b>	0.31	0.30

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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>	MODER	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	>.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

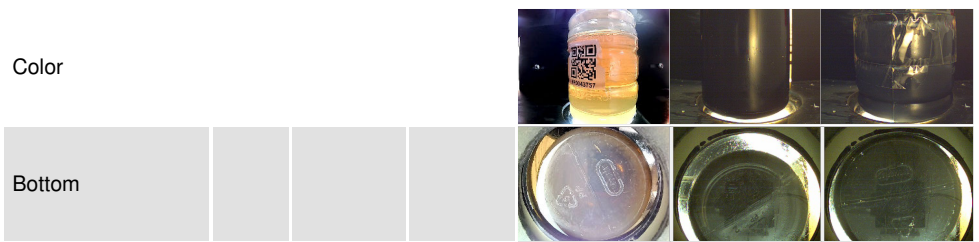
# OIL ANALYSIS REPORT



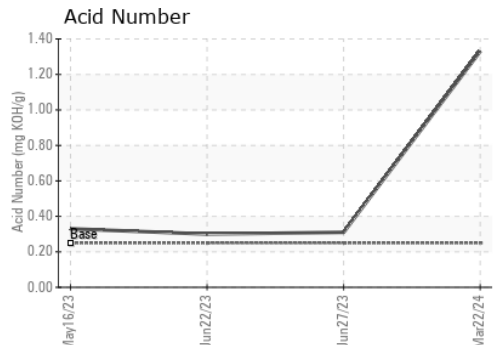
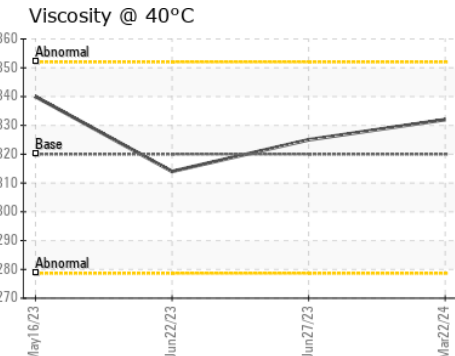
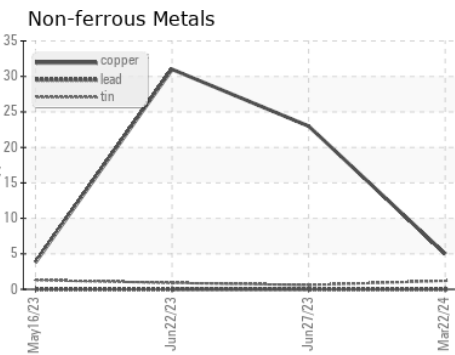
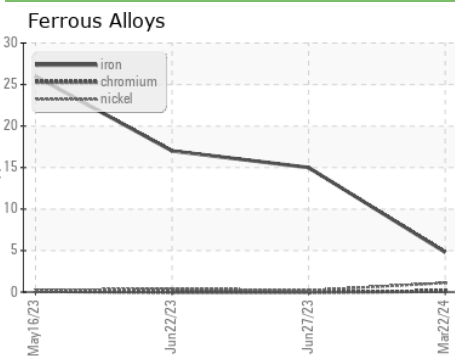
## FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 320	<b>332</b>	325	314

## SAMPLE IMAGES



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0043757  
**Lab Number** : **06133472**  
**Unique Number** : 10952937  
**Test Package** : IND 2

**Received** : 29 Mar 2024  
**Tested** : 01 Apr 2024  
**Diagnosed** : 03 Apr 2024 - Jonathan Hester

**TEAM SUR S.A.S.**

BOGOTA, CO  
 Contact: Team Sur  
 jconde@teamsur.com  
 T: (300)740-0654  
 F:

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)