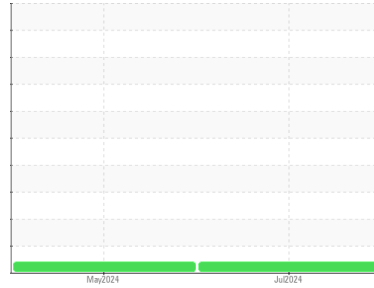




# OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area  
**{UNASSIGNED}**  
 Machine Id  
**P-5220-B (S/N 003)**  
 Component  
**Pump**  
 Fluid  
**ROYAL PURPLE SYNDRAULIC 68 (5 GAL)**

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. 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

Viscosity of sample indicates oil is within ISO 46 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>RP0045865</b>	RP0043918	---
Sample Date	Client Info		<b>10 Jul 2024</b>	31 May 2024	---
Machine Age	hrs	Client Info	<b>49655</b>	49305	---
Oil Age	hrs	Client Info	<b>3471</b>	3121	---
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	---
Sample Status			<b>ATTENTION</b>	ATTENTION	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >90	<b>6</b>	4	---
Chromium	ppm	ASTM D5185m >5	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m >5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m >3	<b>0</b>	0	---
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >7	<b>0</b>	0	---
Lead	ppm	ASTM D5185m >12	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >30	<b>17</b>	14	---
Tin	ppm	ASTM D5185m >9	<b>0</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>0</b>	4	---
Calcium	ppm	ASTM D5185m	<b>51</b>	72	---
Phosphorus	ppm	ASTM D5185m	<b>524</b>	549	---
Zinc	ppm	ASTM D5185m	<b>551</b>	543	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >60	<b>&lt;1</b>	<1	---
Sodium	ppm	ASTM D5185m	<b>1</b>	1	---
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	---
Water	%	ASTM D6304 >.1	<b>0.004</b>	0.006	---
ppm Water	ppm	ASTM D6304 >1000	<b>40</b>	62	---

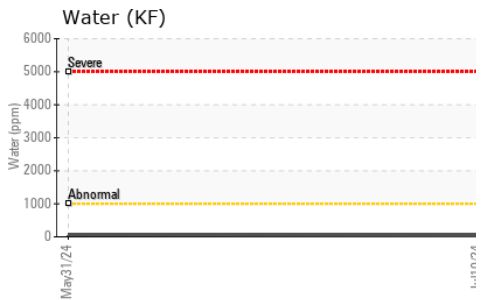
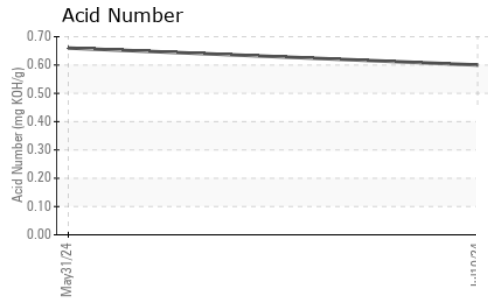
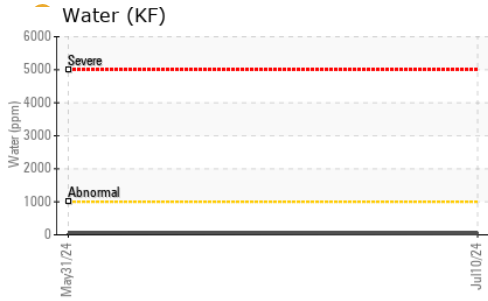
## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.60</b>	0.66	---

## VISUAL

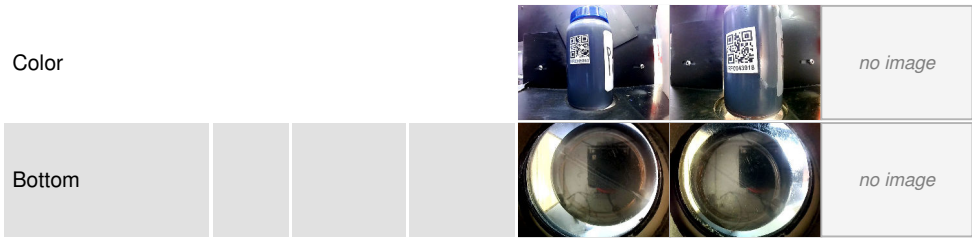
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual >.1	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---

# OIL ANALYSIS REPORT

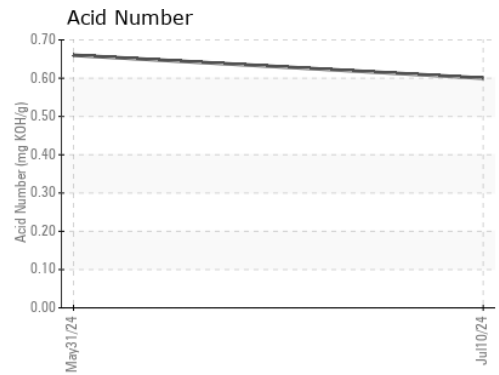
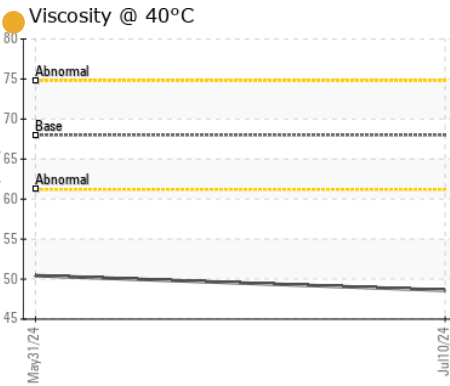
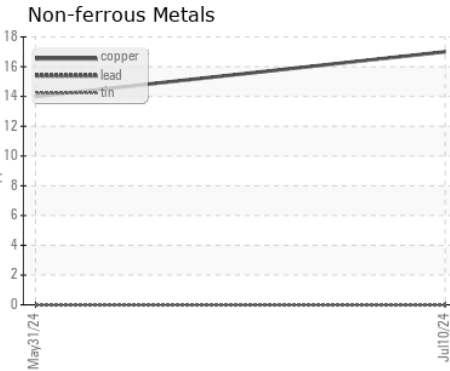
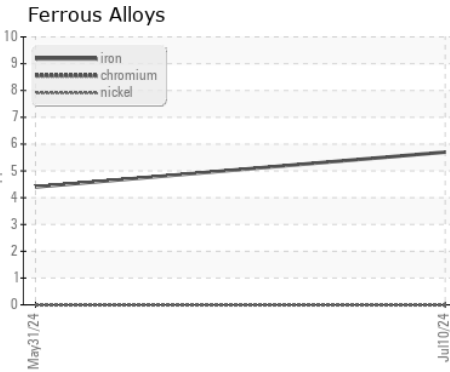


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68.0	48.6	50.44

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



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0045865  
**Lab Number** : 06236108  
**Unique Number** : 11124942  
**Test Package** : IND 2  
**Received** : 15 Jul 2024  
**Tested** : 16 Jul 2024  
**Diagnosed** : 17 Jul 2024 - Don Baldrige

**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)