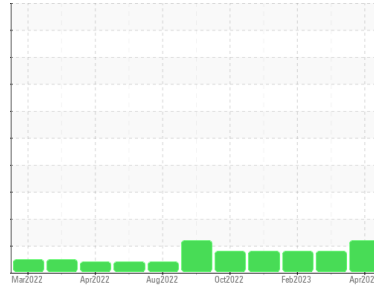


# PROBLEM SUMMARY

Sample Rating Trend



**WEAR**

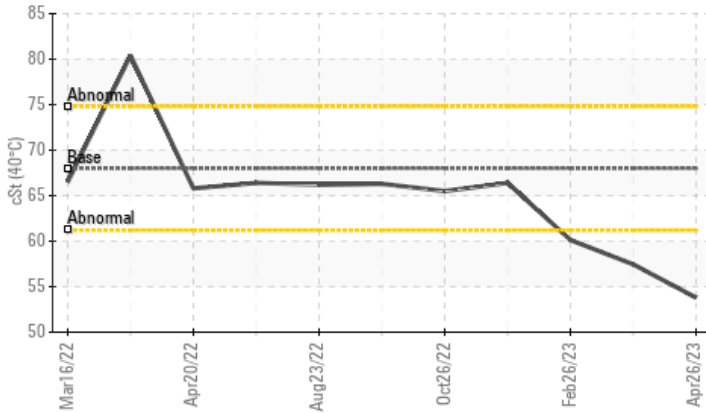


Area  
**{UNASSIGNED}**  
Machine Id  
**P-5220-E (S/N GP 37001)**

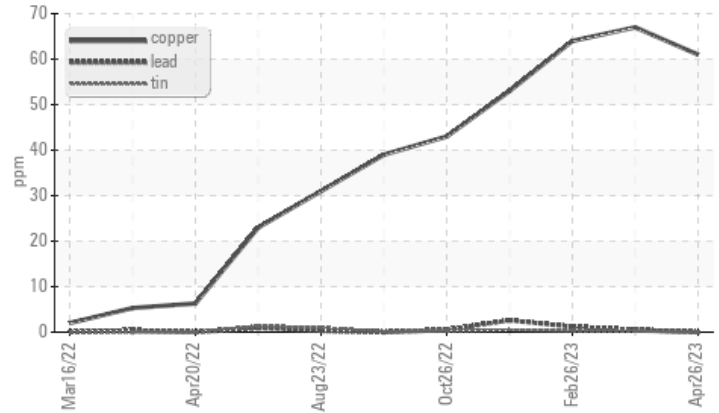
Component  
**Pump**  
Fluid  
**ROYAL PURPLE SYNDRAULIC 68 (1 GAL)**

## COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



▲ Non-ferrous Metals



## RECOMMENDATION

No corrective action is recommended at this time.  
Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	MARGINAL	ABNORMAL
Copper	ppm	ASTM D5185m	>30	▲ 61	▲ 67	▲ 64
Visc @ 40°C	cSt	ASTM D445	68.0	▲ 53.8	57.45	60.13

Customer Id: TEABOG  
Sample No.: RP0035212  
Lab Number: 05834685  
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

To change component or sample information:  
Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

### 22 Mar 2023 Diag: Doug Bogart

#### WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 26 Feb 2023 Diag: Jonathan Hester

#### WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 11 Nov 2022 Diag: Angela Borella

#### WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

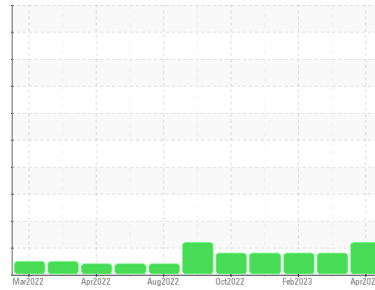
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Area  
**{UNASSIGNED}**  
 Machine Id  
**P-5220-E (S/N GP 37001)**  
 Component  
**Pump**  
 Fluid  
**ROYAL PURPLE SYNDRAULIC 68 (1 GAL)**

**DIAGNOSIS**

- Recommendation**  
No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**  
The copper level is abnormal. All other component wear rates are normal.
- Contamination**  
There is no indication of any contamination in the oil.
- Fluid Condition**  
The oil viscosity is lower than normal. The AN level is acceptable for this fluid.

**SAMPLE INFORMATION**

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>RP0035212</b>	RP0034872	RP0033770
Sample Date	Client Info	<b>26 Apr 2023</b>	22 Mar 2023	26 Feb 2023
Machine Age	hrs	<b>17334</b>	17248	17204
Oil Age	hrs	<b>956</b>	870	826
Oil Changed	Client Info	<b>N/A</b>	N/A	Not Changd
Sample Status		<b>ATTENTION</b>	MARGINAL	ABNORMAL

**WEAR METALS**

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >90	<b>4</b>	4	6
Chromium	ppm	ASTM D5185m >5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m >3	<b>0</b>	0	0
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >7	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185m >12	<b>0</b>	<1	1
Copper	ppm	ASTM D5185m >30	<b>▲ 61</b>	▲ 67	▲ 64
Tin	ppm	ASTM D5185m >9	<b>0</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>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m	<b>4</b>	<1	0
Calcium	ppm	ASTM D5185m	<b>50</b>	55	61
Phosphorus	ppm	ASTM D5185m	<b>795</b>	765	687
Zinc	ppm	ASTM D5185m	<b>709</b>	772	796

**CONTAMINANTS**

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >60	<b>0</b>	<1	<1
Sodium	ppm	ASTM D5185m	<b>1</b>	0	<1
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	0
Water	%	ASTM D6304	<b>0.006</b>	0.006	0.006
ppm Water	ppm	ASTM D6304 >.1	<b>60.2</b>	67.7	64.2

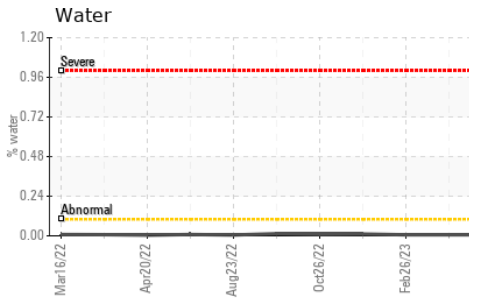
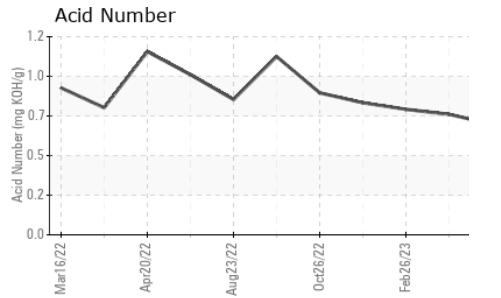
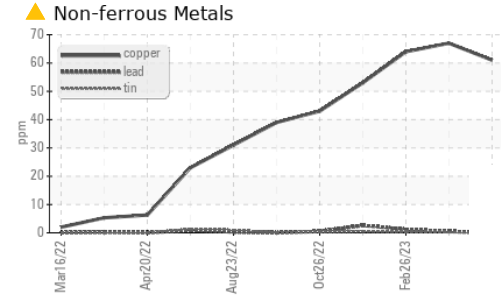
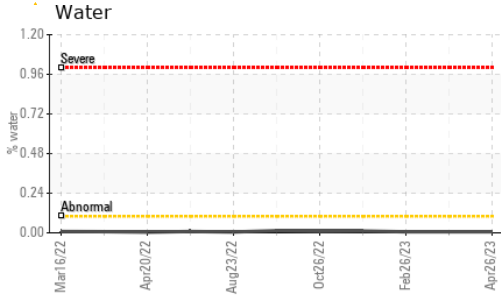
**FLUID DEGRADATION**

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.67</b>	0.73	0.76

**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>	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	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

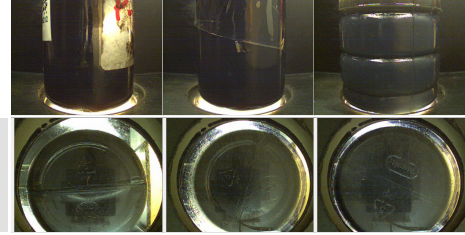
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68.0	▲ 53.8	57.45	60.13

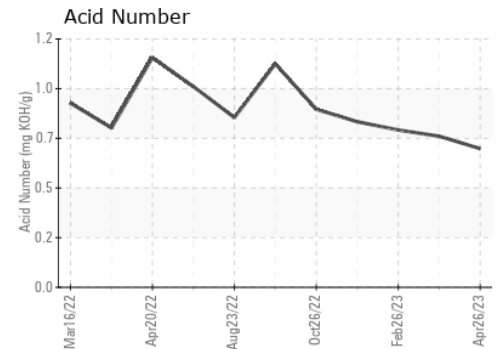
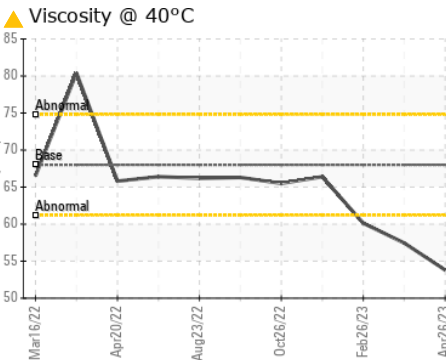
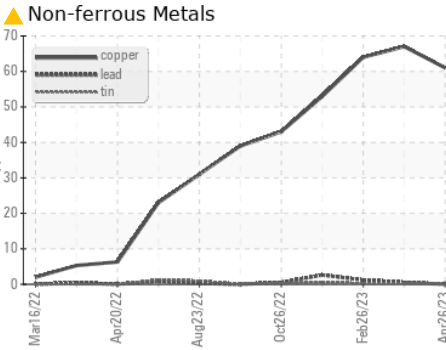
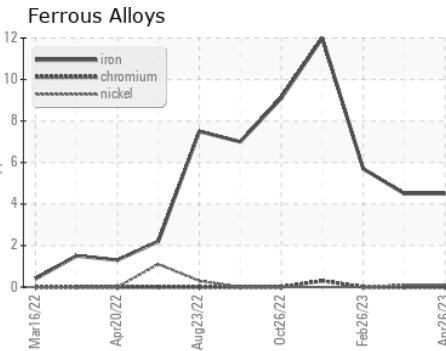
SAMPLE IMAGES		method	limit/base	current	history1	history2
---------------	--	--------	------------	---------	----------	----------

Color



Bottom

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0035212 **Received** : 01 May 2023  
**Lab Number** : 05834685 **Diagnosed** : 03 May 2023  
**Unique Number** : 10453488 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**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)