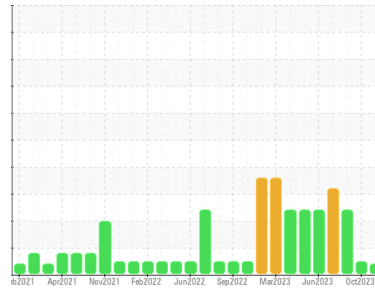


# PROBLEM SUMMARY

Sample Rating Trend



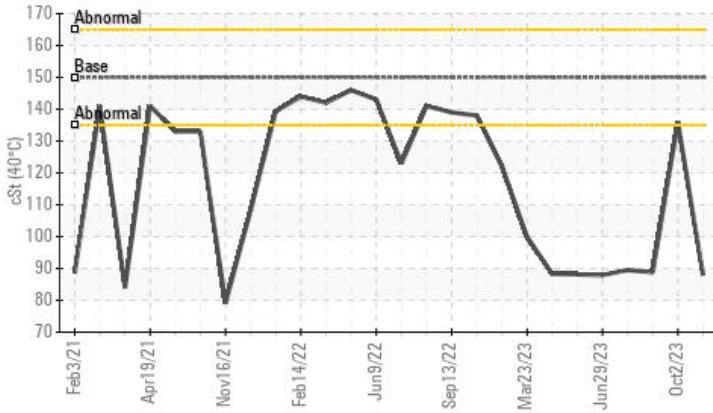
## VISCOSITY



Area  
**{UNASSIGNED}**  
 Machine Id  
**P-1301B PUMP (S/N R11Q6290AX-01)**  
 Component  
**Pump**  
 Fluid  
**ROYAL PURPLE SYNFILM GT 150 (5 GAL)**

### COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



### RECOMMENDATION

We recommend an early resample to monitor this condition.

### PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	NORMAL	ATTENTION
Visc @ 40°C	cSt	ASTM D445	150	▲ 88.0	136	▲ 88.8

Customer Id: TEABOG  
 Sample No.: RP0039366  
 Lab Number: 06006419  
 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

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS

### 02 Oct 2023 Diag: Don Baldrige

#### NORMAL



Resample at the next service interval to monitor. All 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



### 22 Aug 2023 Diag: Don Baldrige

#### VISCOSITY



We recommend an early resample to monitor this condition. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

view report



### 02 Aug 2023 Diag: Don Baldrige

#### SEDIMENT



We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of visible silt present in the sample. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

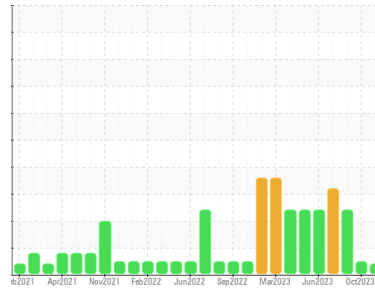
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



## VISCOSITY



Area  
**{UNASSIGNED}**  
 Machine Id  
**P-1301B PUMP (S/N R11Q6290AX-01)**  
 Component  
**Pump**  
 Fluid  
**ROYAL PURPLE SYNFILM GT 150 (5 GAL)**

### DIAGNOSIS

#### Recommendation

We recommend an early resample to monitor this condition.

#### Wear

All 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. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>RP0039366</b>	RP0038886	RP0038770
Sample Date	Client Info		<b>31 Oct 2023</b>	02 Oct 2023	22 Aug 2023
Machine Age	hrs	Client Info	<b>72156</b>	72156	71875
Oil Age	hrs	Client Info	<b>7821</b>	7821	7540
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status			<b>ATTENTION</b>	NORMAL	ATTENTION

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >90	<b>6</b>	15	10
Chromium	ppm	ASTM D5185m >5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	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>	0	<1
Lead	ppm	ASTM D5185m >12	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m >30	<b>8</b>	30	8
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>38</b>	4	44
Manganese	ppm	ASTM D5185m	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m	<b>1243</b>	185	▲ 1335
Calcium	ppm	ASTM D5185m	<b>1289</b>	107	▲ 1305
Phosphorus	ppm	ASTM D5185m	<b>1053</b>	105	▲ 1108
Zinc	ppm	ASTM D5185m	<b>1377</b>	138	▲ 1459

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >60	<b>5</b>	7	6
Sodium	ppm	ASTM D5185m	<b>2</b>	1	2
Potassium	ppm	ASTM D5185m >20	<b>0</b>	2	0
Water	%	ASTM D6304 >.1	<b>0.058</b>	0.029	0.066
ppm Water	ppm	ASTM D6304 >1000	<b>585.5</b>	296.7	665.6

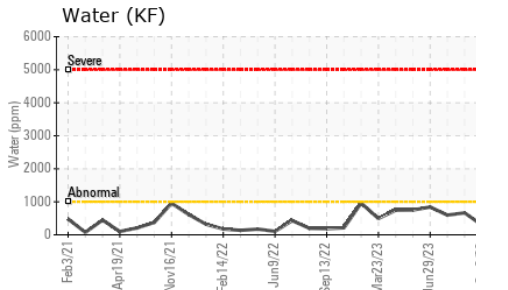
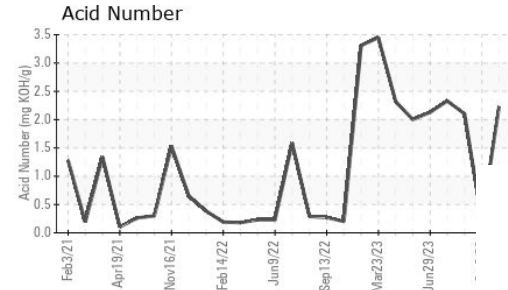
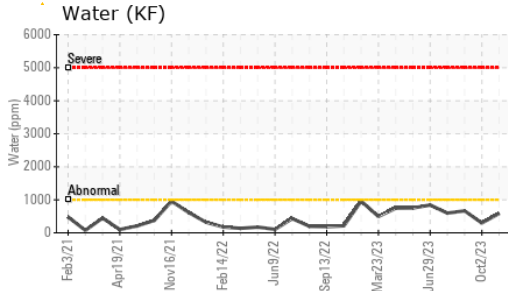
### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>2.226</b>	0.22	2.10

### VISUAL

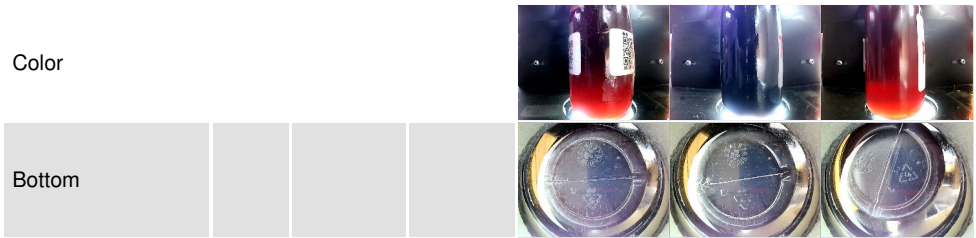
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
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 >.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT

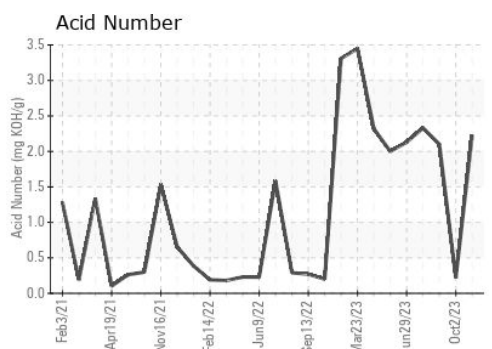
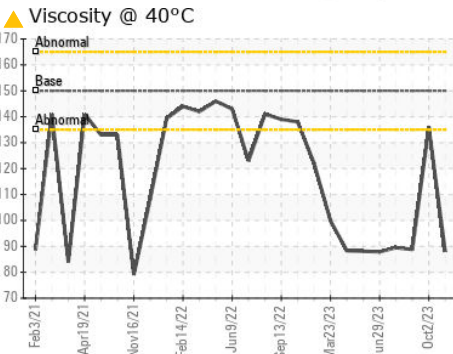
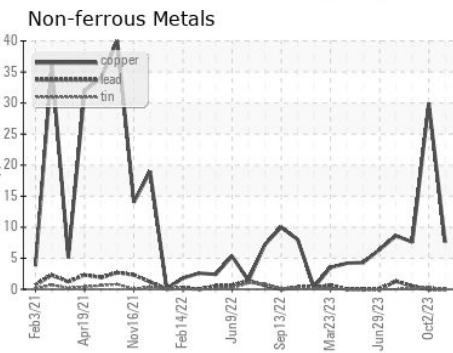
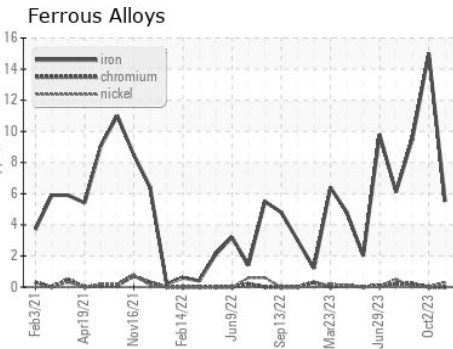


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	▲ 88.0	136	▲ 88.8

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0039366 **Received** : 13 Nov 2023  
**Lab Number** : 06006419 **Diagnosed** : 15 Nov 2023  
**Unique Number** : 10740181 **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:

Certificate L2367  
 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)