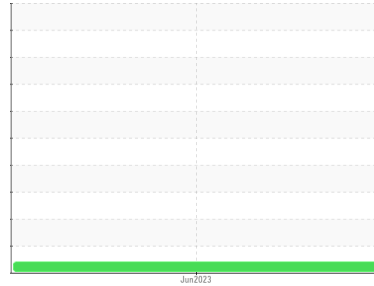


# PROBLEM SUMMARY

Sample Rating Trend



VISCOSITY



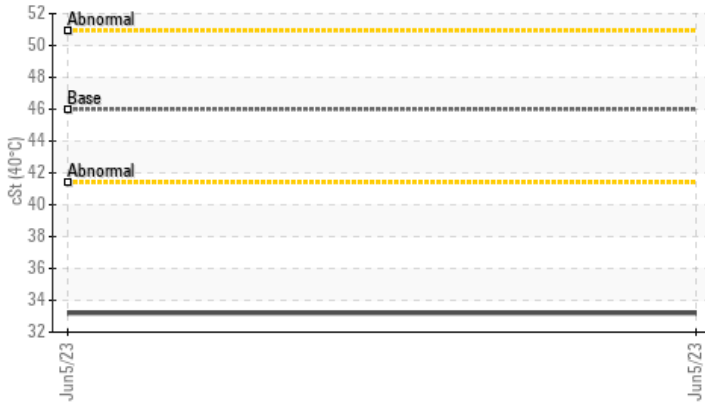
Machine Id  
**SAND SCRAPER 1**

Component  
**Gearbox**

Fluid  
**ROYAL PURPLE SYNDRAULIC 46 (--- GAL)**

## COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



## RECOMMENDATION

Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	---	---
Visc @ 40°C	cSt	ASTM D445	46.0	▲ 33.2	---	---

Customer Id: VEOSMI  
Sample No.: RP0030076  
Lab Number: 05873916  
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

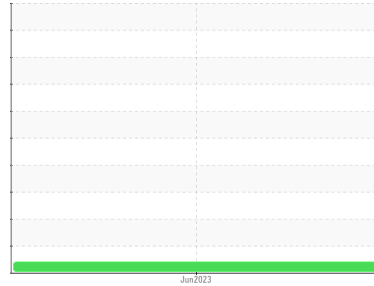
*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id  
**SAND SCRAPER 1**

Component

**Gearbox**

Fluid

**ROYAL PURPLE SYNDRAULIC 46 (--- 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.

### ▲ Fluid Condition

Viscosity of sample indicates oil is within ISO 32 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>RP0030076</b>	---	---
Sample Date	Client Info	<b>05 Jun 2023</b>	---	---
Machine Age	mths Client Info	<b>0</b>	---	---
Oil Age	mths Client Info	<b>6</b>	---	---
Oil Changed	Client Info	<b>Not Chngd</b>	---	---
Sample Status		<b>ATTENTION</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>200	<b>&lt;1</b>	---	---
Chromium ppm ASTM D5185m	>15	<b>0</b>	---	---
Nickel ppm ASTM D5185m	>15	<b>&lt;1</b>	---	---
Titanium ppm ASTM D5185m		<b>0</b>	---	---
Silver ppm ASTM D5185m		<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>25	<b>0</b>	---	---
Lead ppm ASTM D5185m	>100	<b>2</b>	---	---
Copper ppm ASTM D5185m	>200	<b>6</b>	---	---
Tin ppm ASTM D5185m	>25	<b>0</b>	---	---
Vanadium ppm ASTM D5185m		<b>0</b>	---	---
Cadmium ppm ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		<b>0</b>	---	---
Barium ppm ASTM D5185m		<b>2</b>	---	---
Molybdenum ppm ASTM D5185m		<b>0</b>	---	---
Manganese ppm ASTM D5185m		<b>0</b>	---	---
Magnesium ppm ASTM D5185m		<b>1</b>	---	---
Calcium ppm ASTM D5185m	150	<b>33</b>	---	---
Phosphorus ppm ASTM D5185m	670	<b>329</b>	---	---
Zinc ppm ASTM D5185m	800	<b>389</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>50	<b>&lt;1</b>	---	---
Sodium ppm ASTM D5185m		<b>0</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>&lt;1</b>	---	---
Water % ASTM D6304	>0.2	<b>0.011</b>	---	---
ppm Water ppm ASTM D6304	>2000	<b>118.0</b>	---	---

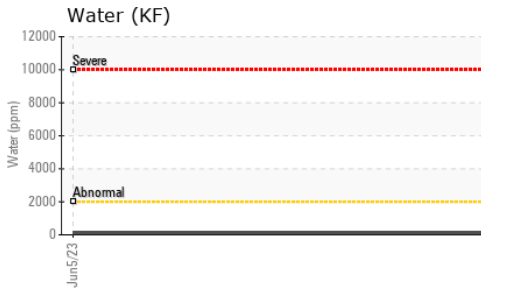
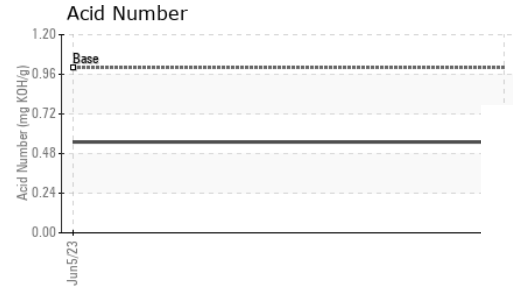
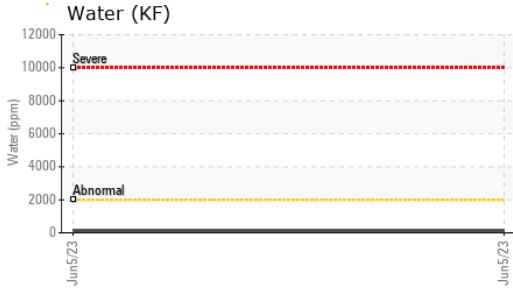
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	1.0	<b>0.55</b>	---	---

## VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	<b>MODER</b>	---	---
Yellow Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Precipitate scalar *Visual	NONE	<b>NONE</b>	---	---
Silt scalar *Visual	NONE	<b>LIGHT</b>	---	---
Debris scalar *Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt scalar *Visual	NONE	<b>NONE</b>	---	---
Appearance scalar *Visual	NORML	<b>NORML</b>	---	---
Odor scalar *Visual	NORML	<b>NORML</b>	---	---
Emulsified Water scalar *Visual	>0.2	<b>NEG</b>	---	---
Free Water scalar *Visual		<b>NEG</b>	---	---

# OIL ANALYSIS REPORT



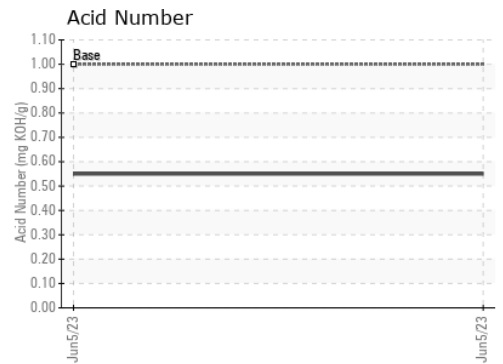
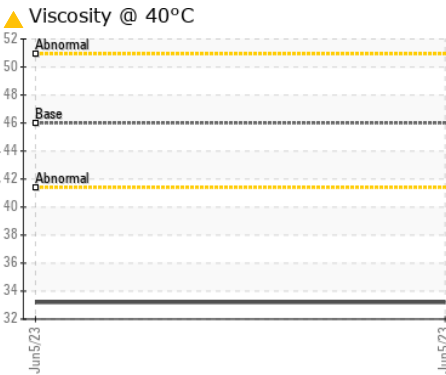
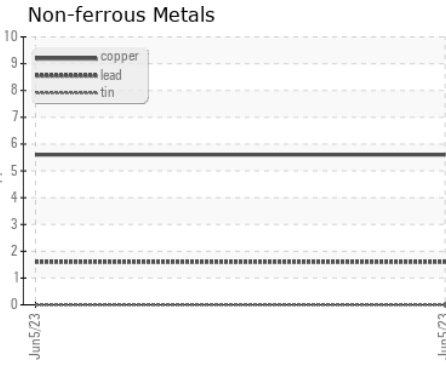
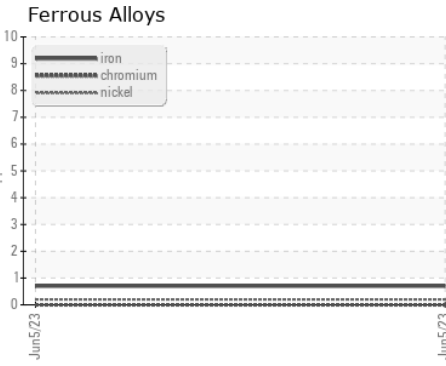
**FLUID PROPERTIES**

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445 46.0	▲ 33.2	---	---

**SAMPLE IMAGES**

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

**GRAPHS**



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0030076 **Received** : 14 Jun 2023  
**Lab Number** : 05873916 **Diagnosed** : 16 Jun 2023  
**Unique Number** : 10519019 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**VEOLIA SMITHFIELD**  
 P.O. BOX 17249  
 SMITHFIELD, RI  
 US 02917  
 Contact: KEVIN REGAN  
 kevin.regan@veolia.com  
 T: (401)231-1506  
 F: (401)231-7089

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)