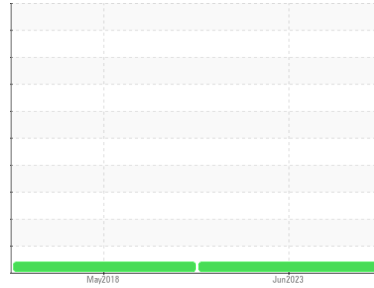


# PROBLEM SUMMARY

Sample Rating Trend



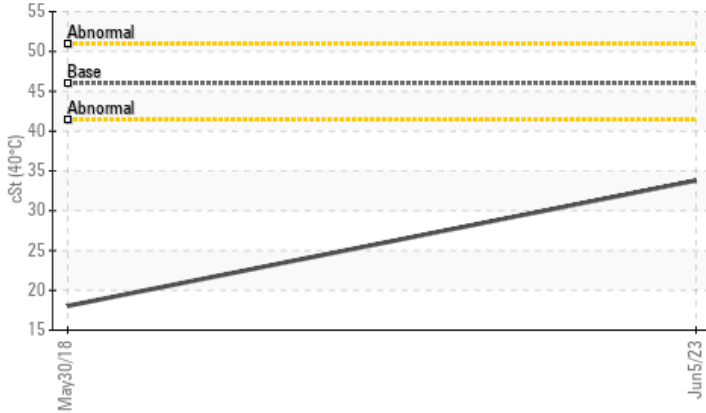
**VISCOSITY**



Machine Id  
**SAND SCRAPER 2**  
 Component  
**Gearbox**  
 Fluid  
**ROYAL PURPLE SYNDRAULIC 46 (7 GAL)**

## COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



## RECOMMENDATION

Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	ATTENTION	---
Visc @ 40°C	cSt	ASTM D445	46.0	▲ 33.8	▲ 18.04	---

Customer Id: VEOSMI  
 Sample No.: RP0030069  
 Lab Number: 05873913  
 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

**30 May 2018 Diag: Jonathan Hester**

### VISCOSITY



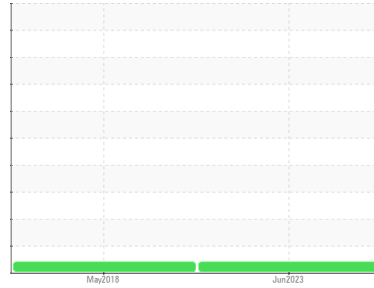
No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

view report



# OIL ANALYSIS REPORT

Sample Rating Trend



**VISCOSITY**



Machine Id  
**SAND SCRAPER 2**  
 Component  
**Gearbox**  
 Fluid  
**ROYAL PURPLE SYNDRAULIC 46 (7 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>RP0030069</b>	WCM2297775	---
Sample Date	Client Info		<b>05 Jun 2023</b>	30 May 2018	---
Machine Age	mths	Client Info	<b>0</b>	0	---
Oil Age	mths	Client Info	<b>6</b>	0	---
Oil Changed	Client Info		<b>Not Chngd</b>	N/A	---
Sample Status			<b>ATTENTION</b>	ATTENTION	---

**WEAR METALS**    method    limit/base    current    history1    history2

Iron	ppm	ASTM D5185m	>200	<b>&lt;1</b>	<1	---
Chromium	ppm	ASTM D5185m	>15	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m	>100	<b>5</b>	1	---
Copper	ppm	ASTM D5185m	>200	<b>5</b>	4	---
Tin	ppm	ASTM D5185m	>25	<b>0</b>	0	---
Antimony	ppm	ASTM D5185m	>5	<b>---</b>	3	---
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>	<1	---
Barium	ppm	ASTM D5185m		<b>2</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>1</b>	2	---
Calcium	ppm	ASTM D5185m	150	<b>39</b>	4	---
Phosphorus	ppm	ASTM D5185m	670	<b>486</b>	47	---
Zinc	ppm	ASTM D5185m	800	<b>467</b>	10	---

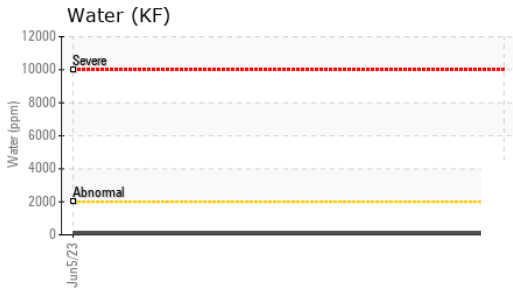
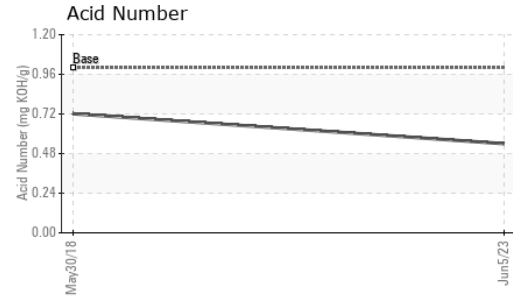
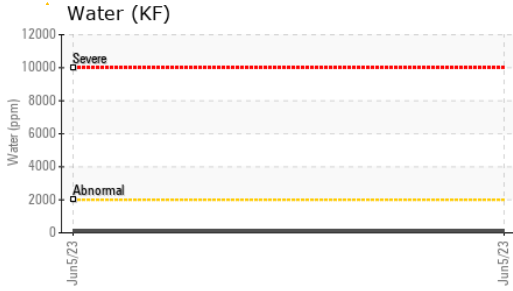
**CONTAMINANTS**    method    limit/base    current    history1    history2

Silicon	ppm	ASTM D5185m	>50	<b>&lt;1</b>	12	---
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	10	---
Water	%	ASTM D6304	>0.2	<b>0.009</b>	---	---
ppm Water	ppm	ASTM D6304	>2000	<b>97.9</b>	---	---

**FLUID DEGRADATION**    method    limit/base    current    history1    history2

Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.54</b>	0.721	---
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# OIL ANALYSIS REPORT



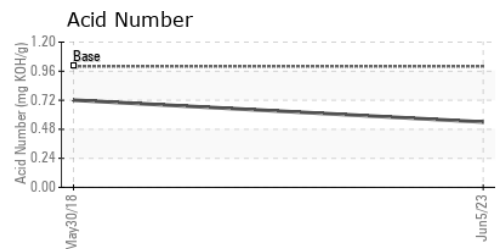
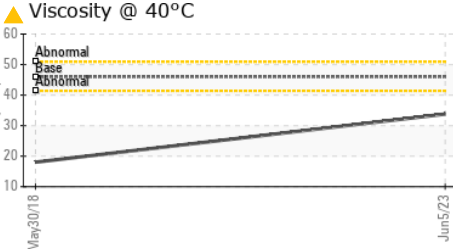
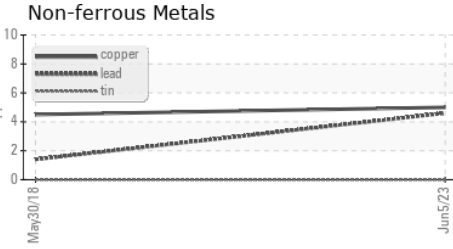
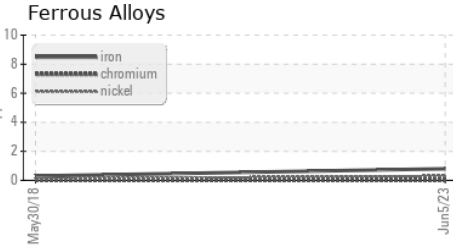
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.0 ▲ 33.8	▲ 18.04	---

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

## GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : RP0030069 Received : 14 Jun 2023  
 Lab Number : 05873913 Diagnosed : 16 Jun 2023  
 Unique Number : 10519016 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)