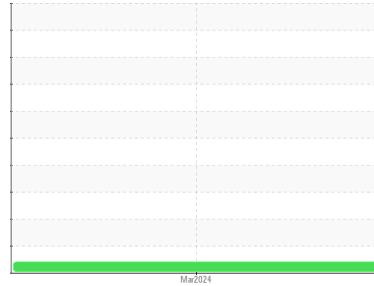




# OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id  
**PEP III-I**

Component  
**Gearbox**

Fluid  
**ROYAL PURPLE SYNFILM GT 32 (9 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

The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>RP0039435</b>	---	---
Sample Date	Client Info	<b>12 Mar 2024</b>	---	---
Machine Age	yrs Client Info	<b>1</b>	---	---
Oil Age	yrs Client Info	<b>1</b>	---	---
Oil Changed	Client Info	<b>Not Chngd</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >200	<b>0</b>	---	---
Chromium	ppm ASTM D5185m >15	<b>0</b>	---	---
Nickel	ppm ASTM D5185m >15	<b>0</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>0</b>	---	---
Copper	ppm ASTM D5185m >200	<b>&lt;1</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>0</b>	---	---
Molybdenum	ppm ASTM D5185m	<b>0</b>	---	---
Manganese	ppm ASTM D5185m	<b>0</b>	---	---
Magnesium	ppm ASTM D5185m	<b>0</b>	---	---
Calcium	ppm ASTM D5185m	<b>0</b>	---	---
Phosphorus	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Zinc	ppm ASTM D5185m	<b>0</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	<b>2</b>	---	---
Sodium	ppm ASTM D5185m	<b>2</b>	---	---
Potassium	ppm ASTM D5185m >20	<b>0</b>	---	---
Water	% ASTM D6304 >0.2	<b>0.006</b>	---	---
ppm Water	ppm ASTM D6304 >2000	<b>69</b>	---	---

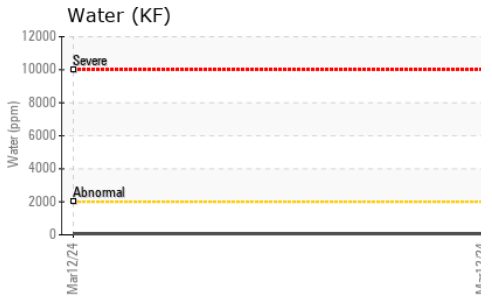
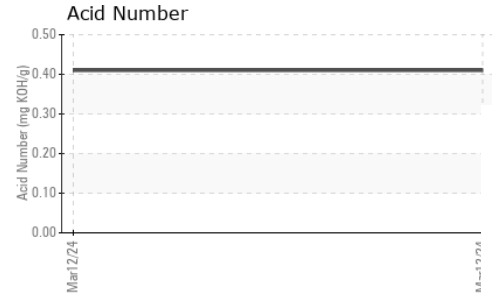
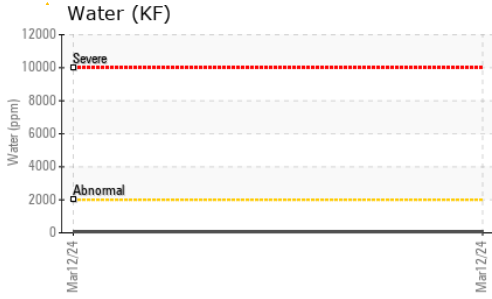
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>0.41</b>	---	---

## VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	<b>NONE</b>	---	---
Yellow Metal	scalar *Visual NONE	<b>NONE</b>	---	---
Precipitate	scalar *Visual NONE	<b>NONE</b>	---	---
Silt	scalar *Visual NONE	<b>NONE</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



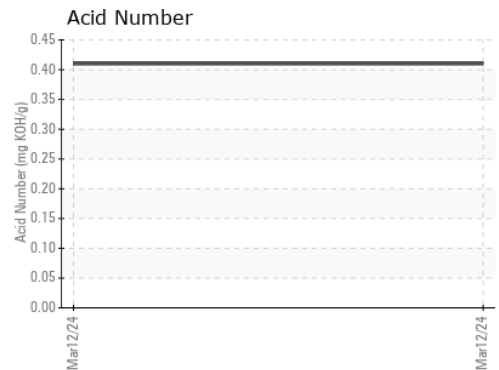
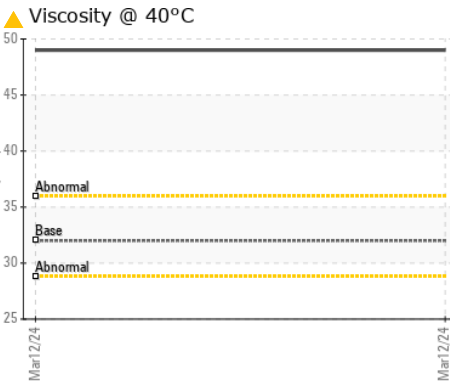
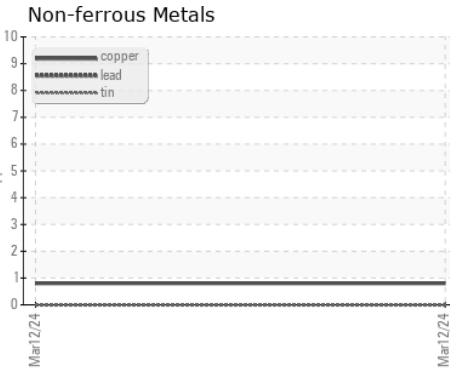
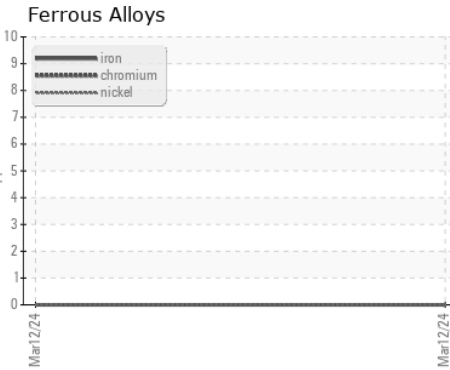
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	32 ▲ 49.0	---	---

### 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.** : RP0039435 **Received** : 28 Mar 2024  
**Lab Number** : 06132107 **Tested** : 29 Mar 2024  
**Unique Number** : 10951572 **Diagnosed** : 02 Apr 2024 - Angela Borella  
**Test Package** : IND 2

**VEOLIA SMITHFIELD**  
 P.O. BOX 17249  
 SMITHFIELD, RI  
 US 02917  
 Contact: KAREN GOFFE  
 karen.goffe@veolia.com

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)

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