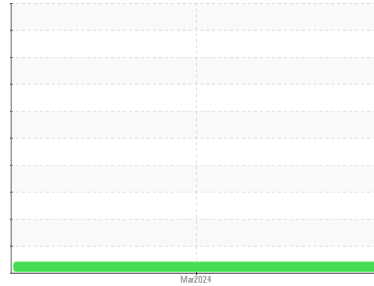




OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
PEP 2-T

Component
Gearbox

Fluid
ROYAL PURPLE SYNFILM GT 32 (3 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. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		RP0039431	---	---
Sample Date	Client Info		12 Mar 2024	---	---
Machine Age	yrs	Client Info	15	---	---
Oil Age	yrs	Client Info	1	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

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

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	---
Barium	ppm	ASTM D5185m		0	---
Molybdenum	ppm	ASTM D5185m		0	---
Manganese	ppm	ASTM D5185m		0	---
Magnesium	ppm	ASTM D5185m		1	---
Calcium	ppm	ASTM D5185m		0	---
Phosphorus	ppm	ASTM D5185m		5	---
Zinc	ppm	ASTM D5185m		0	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	1	---
Sodium	ppm	ASTM D5185m		<1	---
Potassium	ppm	ASTM D5185m	>20	0	---
Water	%	ASTM D6304	>0.2	0.004	---
ppm Water	ppm	ASTM D6304	>2000	45	---

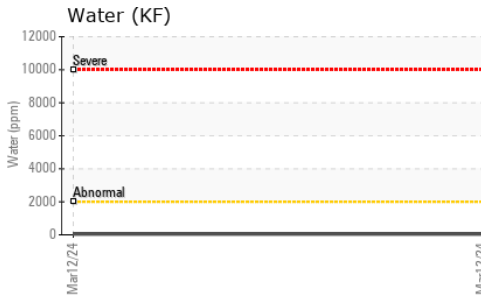
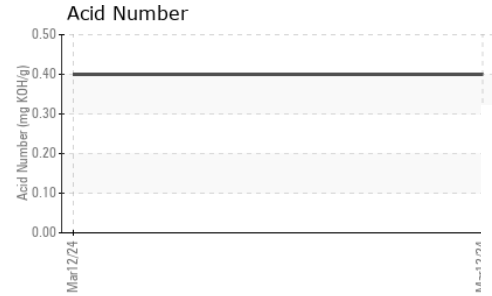
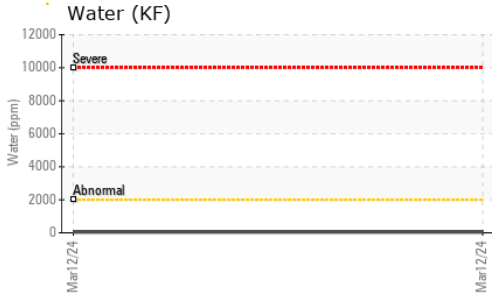
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.40	---

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	---


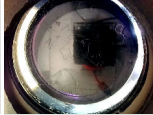
OIL ANALYSIS REPORT



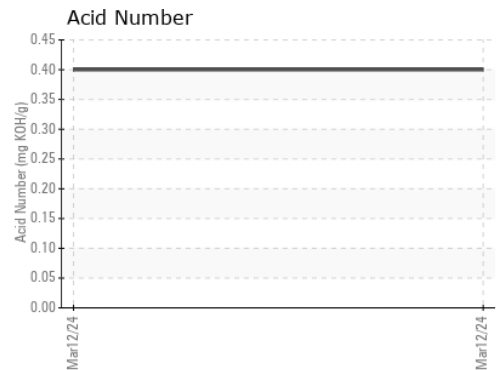
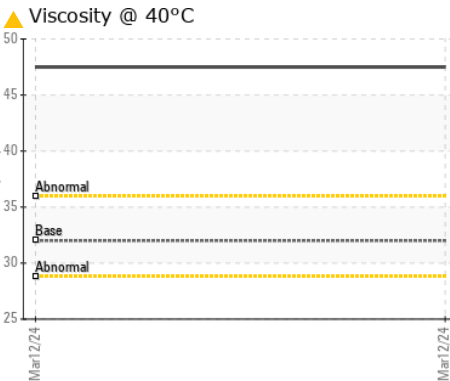
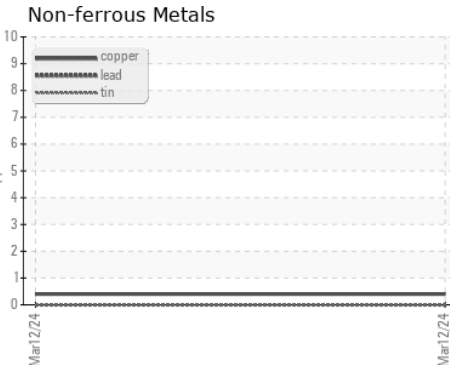
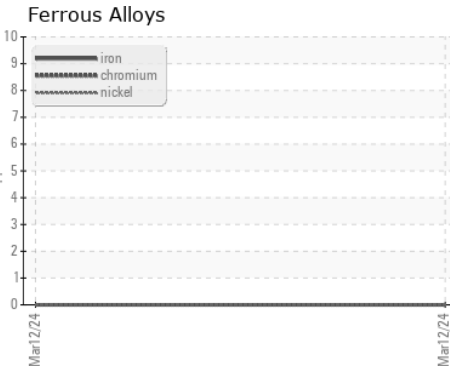
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 32	▲ 47.5	---

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. : RP0039431 **Received** : 28 Mar 2024
Lab Number : 06132114 **Tested** : 29 Mar 2024
Unique Number : 10951579 **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)

T:
F: (401)231-7089