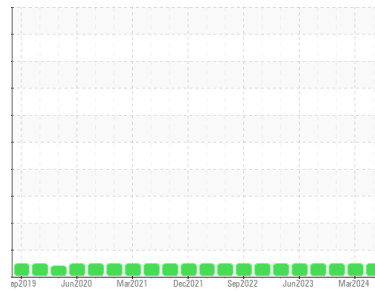




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**RICH\_U2120 RICH\_U2120\_P2120**  
Component  
**Drive End Pump**  
Fluid  
**ROYAL PURPLE SYNFILM GT 32 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The water content is negligible. There is no indication of any contamination in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>RP0043864</b>	RP0029102	RP0025776
Sample Date	Client Info	<b>27 Jun 2024</b>	19 Mar 2024	27 Dec 2023
Machine Age	hrs Client Info	<b>0</b>	0	0
Oil Age	hrs Client Info	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >75	<b>&lt;1</b>	<1	0
Chromium	ppm ASTM D5185m >5	<b>0</b>	<1	0
Nickel	ppm ASTM D5185m	<b>0</b>	<1	0
Titanium	ppm ASTM D5185m	<b>0</b>	<1	<1
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >5	<b>&lt;1</b>	1	0
Lead	ppm ASTM D5185m >10	<b>&lt;1</b>	2	<1
Copper	ppm ASTM D5185m >15	<b>&lt;1</b>	1	<1
Tin	ppm ASTM D5185m	<b>0</b>	<1	<1
Vanadium	ppm ASTM D5185m	<b>0</b>	<1	<1
Cadmium	ppm ASTM D5185m	<b>0</b>	<1	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>0</b>	0	0
Barium	ppm ASTM D5185m	<b>0</b>	<1	0
Molybdenum	ppm ASTM D5185m	<b>0</b>	<1	0
Manganese	ppm ASTM D5185m	<b>0</b>	<1	<1
Magnesium	ppm ASTM D5185m	<b>64</b>	84	83
Calcium	ppm ASTM D5185m	<b>0</b>	6	2
Phosphorus	ppm ASTM D5185m	<b>0</b>	6	0
Zinc	ppm ASTM D5185m	<b>0</b>	<1	0

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>11</b>	11	10
Sodium	ppm ASTM D5185m	<b>2</b>	0	2
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	1	0
Water	% ASTM D6304 >.1	<b>0.032</b>	0.016	0.011
ppm Water	ppm ASTM D6304 >1000	<b>321</b>	161	120

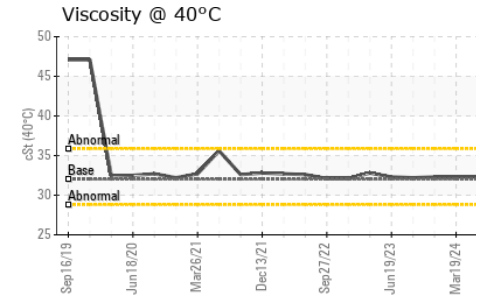
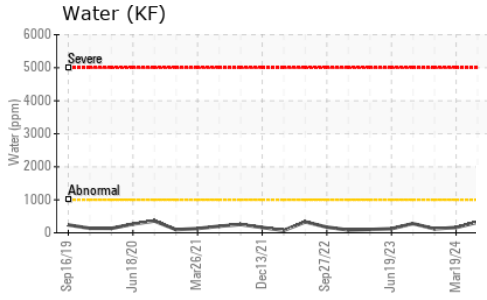
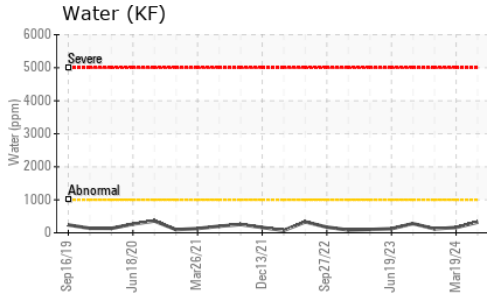
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>0.36</b>	0.37	0.35

## 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

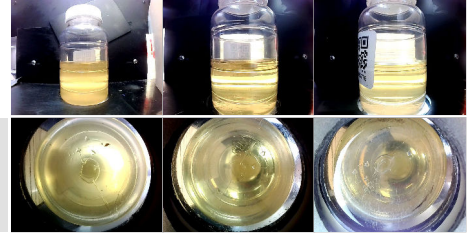
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32	<b>32.3</b>	32.3	32.3

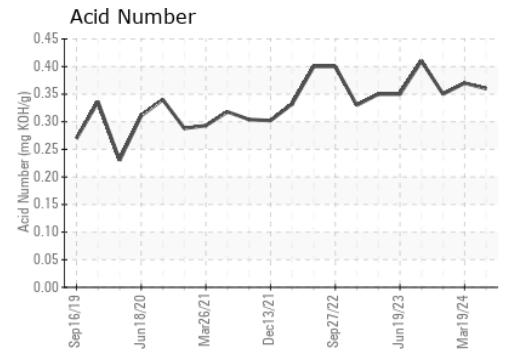
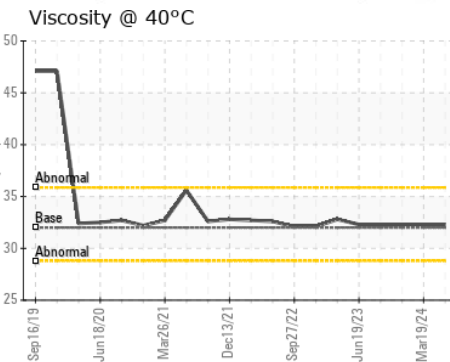
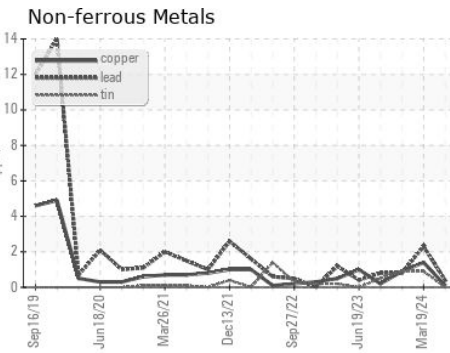
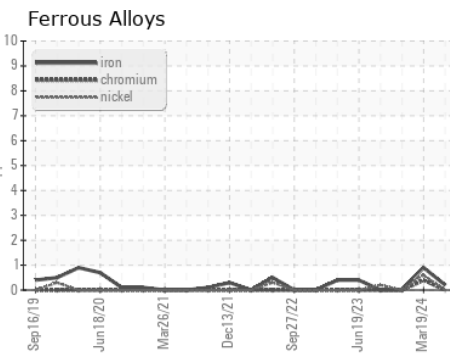
SAMPLE IMAGES		method	limit/base	current	history1	history2
---------------	--	--------	------------	---------	----------	----------

Color



Bottom

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0043864  
**Lab Number** : 06236129  
**Unique Number** : 11124963  
**Test Package** : IND 2

**Received** : 15 Jul 2024  
**Tested** : 16 Jul 2024  
**Diagnosed** : 17 Jul 2024 - Don Baldrige

**ENERGY TRANSFER - RICHMOND**  
 29359 32 MIKE ROAD  
 RICHMOND, MI  
 US 48062  
 Contact: SCOTT VERHELLE

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: (313)580-0267

F: