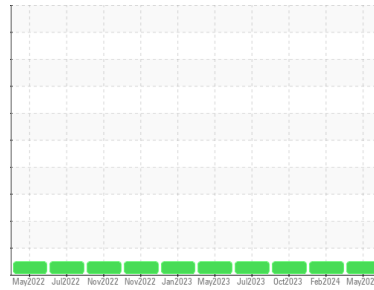




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**LIM4\_U45 LIM4\_U45\_M45**  
 Component  
**Drive End Bearing**  
 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>RP0029470</b>	RP0029477	RP0029410
Sample Date	Client Info	<b>28 May 2024</b>	08 Feb 2024	24 Oct 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 >20	<b>0</b>	0	0
Chromium	ppm ASTM D5185m >20	<b>0</b>	0	0
Nickel	ppm ASTM D5185m >20	<b>0</b>	0	0
Titanium	ppm ASTM D5185m	<b>0</b>	0	0
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >20	<b>0</b>	0	<1
Lead	ppm ASTM D5185m >20	<b>3</b>	1	2
Copper	ppm ASTM D5185m >20	<b>7</b>	7	7
Tin	ppm ASTM D5185m >20	<b>&lt;1</b>	0	0
Vanadium	ppm ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>0</b>	0	0
Barium	ppm ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>0</b>	<1	0
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Magnesium	ppm ASTM D5185m	<b>75</b>	71	70
Calcium	ppm ASTM D5185m	<b>0</b>	3	0
Phosphorus	ppm ASTM D5185m	<b>0</b>	4	0
Zinc	ppm ASTM D5185m	<b>0</b>	1	0

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	<b>8</b>	6	8
Sodium	ppm ASTM D5185m	<b>5</b>	3	3
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	0	2
Water	% ASTM D6304 >0.05	<b>0.024</b>	0.010	0.023
ppm Water	ppm ASTM D6304 >500	<b>242</b>	108	231.3

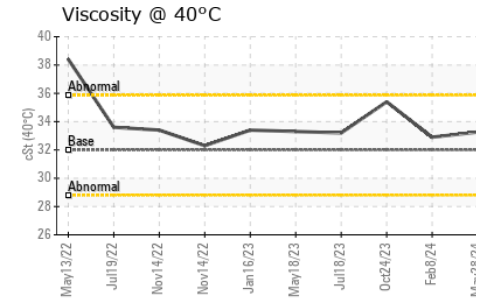
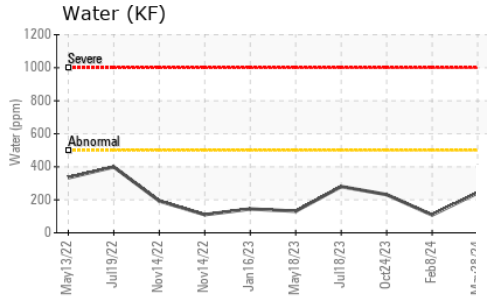
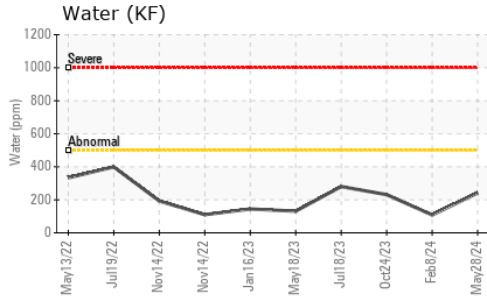
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>0.43</b>	0.37	0.38

## VISUAL

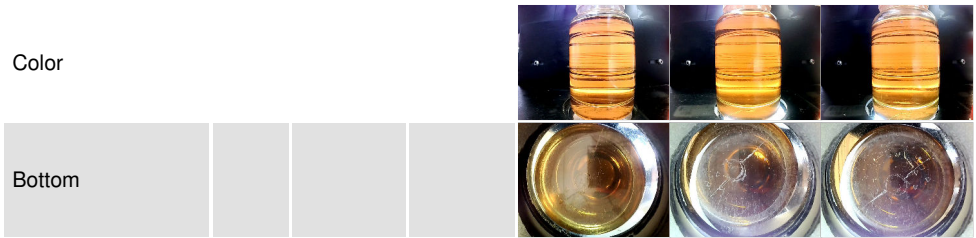
method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar *Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar *Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar *Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar *Visual NONE	<b>NONE</b>	NONE	NONE
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 >0.05	<b>NEG</b>	NEG	NEG
Free Water	scalar *Visual	<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT

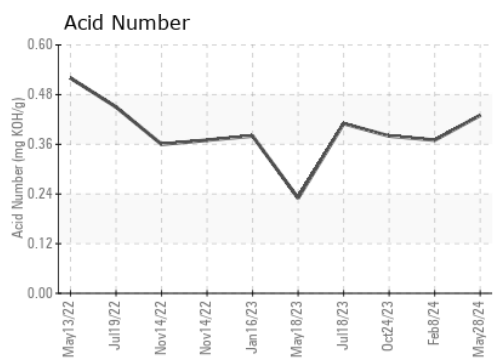
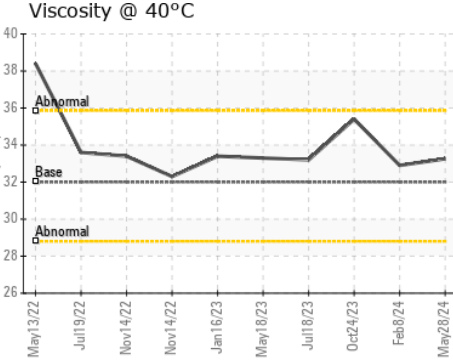
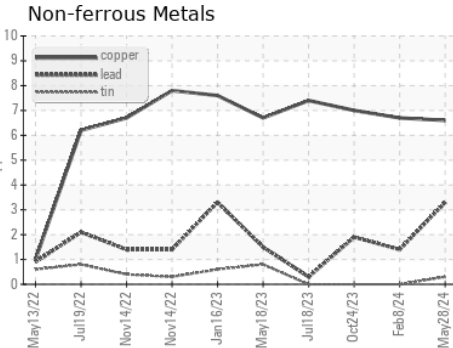
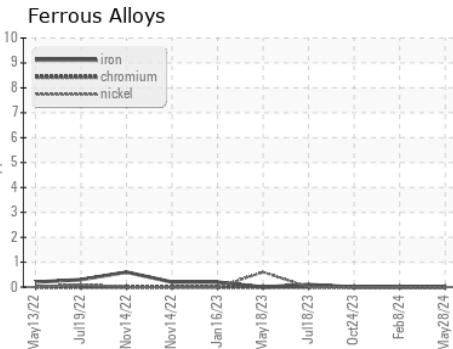


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32	<b>33.26</b>	32.9	35.4

SAMPLE IMAGES		method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0029470  
**Lab Number** : 06199329  
**Unique Number** : 11061452  
**Test Package** : PLANT  
**Received** : 04 Jun 2024  
**Tested** : 10 Jun 2024  
**Diagnosed** : 10 Jun 2024 - Jonathan Hester

**ENERGY TRANSFER - LIMA**  
 1520 BUCKEYE RD  
 LIMA, OH  
 US 45804

*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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