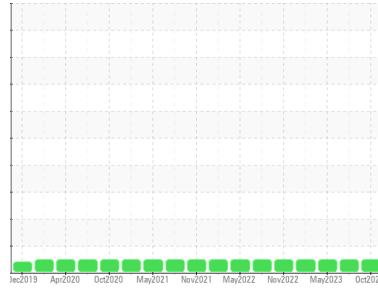




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**LIM4\_U2720 LIM4\_U2720\_P2720**

Component  
**Non-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

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>RP0029499</b>	RP0029419	RP0029434
Sample Date	Client Info	<b>24 Oct 2023</b>	18 Jul 2023	18 May 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 >90	<b>0</b>	<1	<1
Chromium	ppm ASTM D5185m >5	<b>0</b>	0	0
Nickel	ppm ASTM D5185m >5	<b>0</b>	0	<1
Titanium	ppm ASTM D5185m >3	<b>0</b>	0	0
Silver	ppm ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >7	<b>&lt;1</b>	<1	<1
Lead	ppm ASTM D5185m >12	<b>0</b>	0	0
Copper	ppm ASTM D5185m >30	<b>1</b>	1	<1
Tin	ppm ASTM D5185m >9	<b>&lt;1</b>	<1	<1
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>	0	0
Manganese	ppm ASTM D5185m	<b>0</b>	0	<1
Magnesium	ppm ASTM D5185m	<b>57</b>	69	68
Calcium	ppm ASTM D5185m	<b>0</b>	<1	0
Phosphorus	ppm ASTM D5185m	<b>0</b>	2	4
Zinc	ppm ASTM D5185m	<b>0</b>	0	0

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >60	<b>2</b>	2	1
Sodium	ppm ASTM D5185m	<b>1</b>	<1	1
Potassium	ppm ASTM D5185m >20	<b>1</b>	0	2
Water	% ASTM D6304 >.1	<b>0.018</b>	0.014	0.007
ppm Water	ppm ASTM D6304 >1000	<b>187.8</b>	149.1	77.4

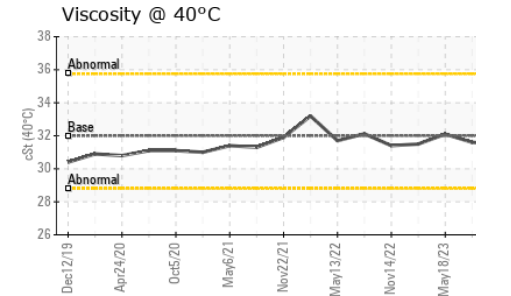
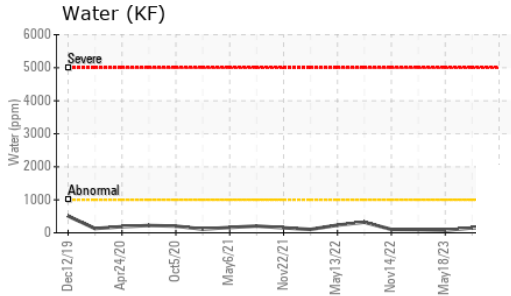
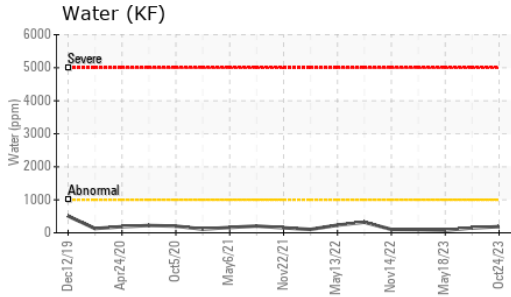
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>0.34</b>	0.36	0.34

## VISUAL

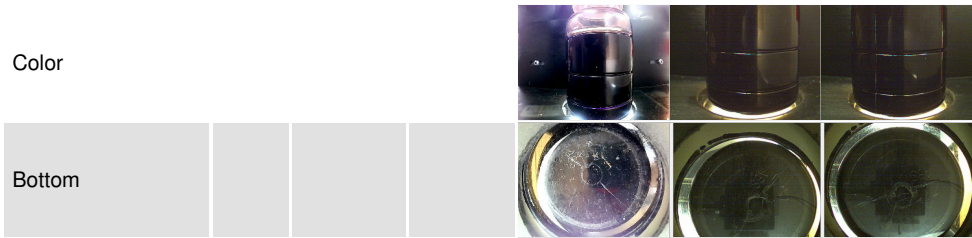
method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar *Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar *Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar *Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar *Visual NONE	<b>NONE</b>	NONE	NONE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

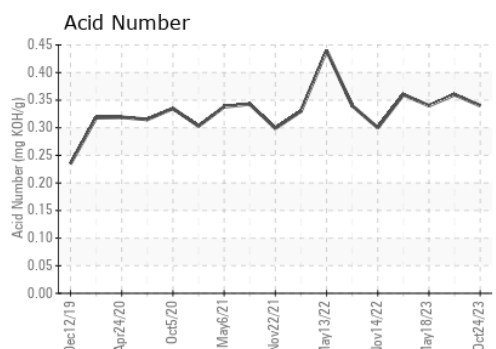
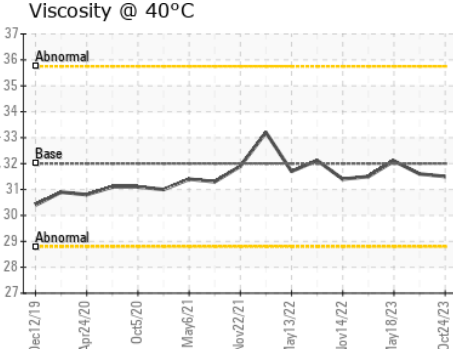
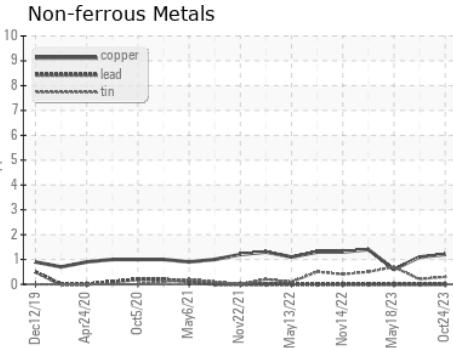
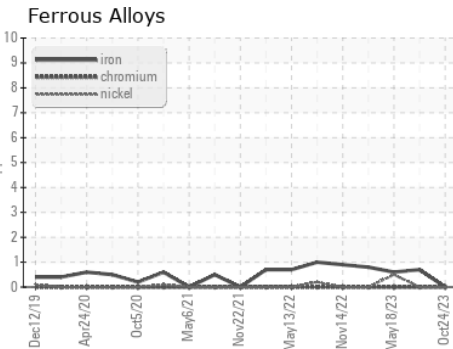


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32	<b>31.5</b>	31.6	32.1

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0029499 **Received** : 31 Oct 2023  
**Lab Number** : **05995054** **Diagnosed** : 02 Nov 2023  
**Unique Number** : 10723414 **Diagnostician** : Don Baldrige  
**Test Package** : PLANT

**ENERGY TRANSFER - LIMA**  
 1520 BUCKEYE RD  
 LIMA, OH  
 US 45804  
 Contact: ANDREW WYDERKA  
 andrew.wyderka@energytransfer.com  
 T: (419)618-1505  
 F:

Certificate L2367  
 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)