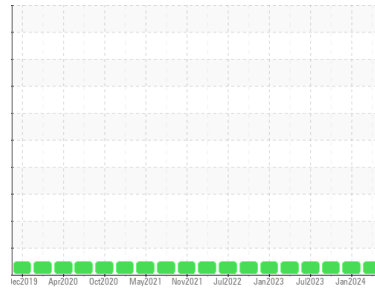




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
LIM4_U2720 LIM4_U2720_P2720
 Component
Drive End Pump
 Fluid
ROYAL PURPLE SYNFILM GT 32 (30 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	RP0029474	RP0029451	RP0029498
Sample Date	Client Info	30 May 2024	08 Jan 2024	24 Oct 2023
Machine Age	hrs Client Info	0	0	0
Oil Age	hrs Client Info	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>90	0	0	0
Chromium ppm ASTM D5185m	>5	0	0	0
Nickel ppm ASTM D5185m	>5	0	0	0
Titanium ppm ASTM D5185m	>3	0	0	0
Silver ppm ASTM D5185m	>3	0	0	0
Aluminum ppm ASTM D5185m	>7	0	<1	<1
Lead ppm ASTM D5185m	>12	0	0	0
Copper ppm ASTM D5185m	>30	<1	2	1
Tin ppm ASTM D5185m	>9	<1	0	0
Vanadium ppm ASTM D5185m		0	0	0
Cadmium ppm ASTM D5185m		0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		0	0	0
Barium ppm ASTM D5185m		0	0	0
Molybdenum ppm ASTM D5185m		0	0	0
Manganese ppm ASTM D5185m		<1	<1	0
Magnesium ppm ASTM D5185m		61	69	55
Calcium ppm ASTM D5185m		0	1	0
Phosphorus ppm ASTM D5185m		0	3	0
Zinc ppm ASTM D5185m		0	3	0

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>60	2	<1	2
Sodium ppm ASTM D5185m		2	0	1
Potassium ppm ASTM D5185m	>20	<1	0	2
Water % ASTM D6304	>.1	0.015	0.013	0.020
ppm Water ppm ASTM D6304	>1000	158	135	200.6

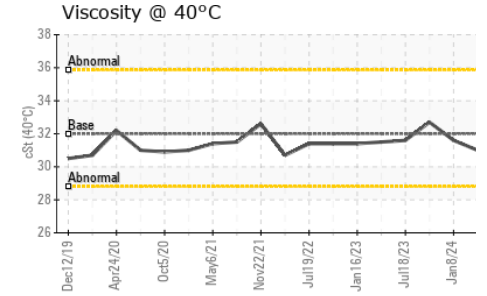
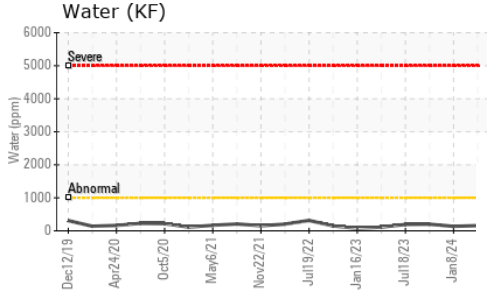
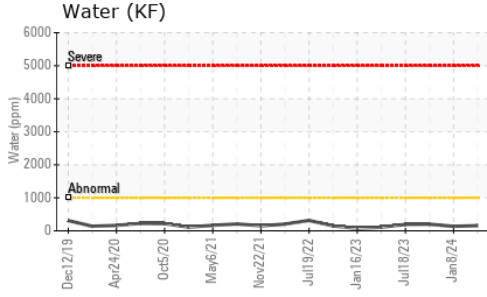
FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		0.38	0.38	0.35

VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	NONE	NONE	NONE
Yellow Metal scalar *Visual	NONE	NONE	NONE	NONE
Precipitate scalar *Visual	NONE	NONE	NONE	NONE
Silt scalar *Visual	NONE	NONE	NONE	NONE
Debris scalar *Visual	NONE	NONE	NONE	NONE
Sand/Dirt scalar *Visual	NONE	NONE	NONE	NONE
Appearance scalar *Visual	NORML	NORML	NORML	NORML
Odor scalar *Visual	NORML	NORML	NORML	NORML
Emulsified Water scalar *Visual	>.1	NEG	NEG	NEG
Free Water scalar *Visual		NEG	NEG	NEG

OIL ANALYSIS REPORT



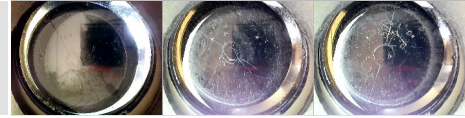
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32	31.0	31.6	32.7

SAMPLE IMAGES		method	limit/base	current	history1	history2
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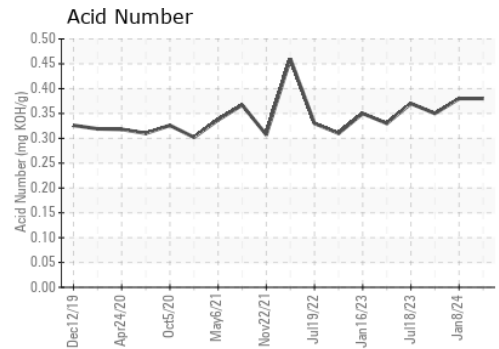
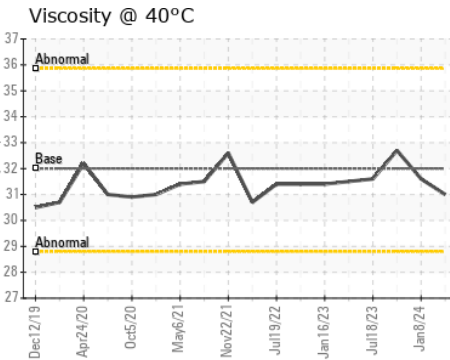
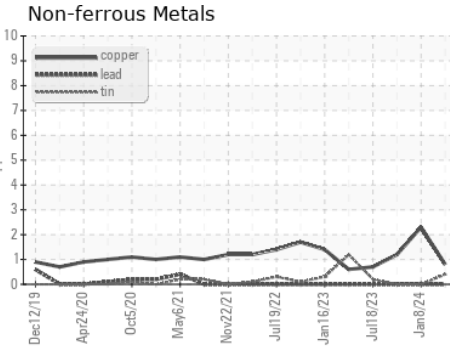
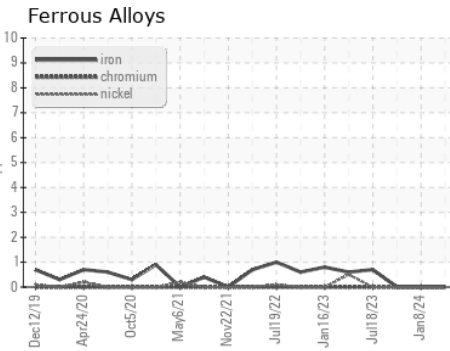
Color



Bottom



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0029474
Lab Number : **06199334**
Unique Number : 11061457
Test Package : PLANT

Received : 04 Jun 2024
Tested : 06 Jun 2024
Diagnosed : 06 Jun 2024 - Don Baldrige

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

Contact: ANDREW WYDERKA
 andrew.wyderka@energytransfer.com
 T: (419)618-1505

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)

F: