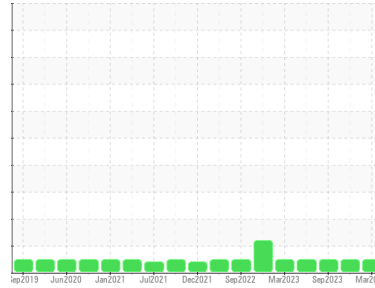




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
FOST_U2220 FOST_U2220_M2220

Component
Lube System

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	RP0029149	RP0029197	RP0029138
Sample Date	Client Info	22 Mar 2024	29 Nov 2023	28 Sep 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 >20	<1	0	0
Chromium	ppm ASTM D5185m >20	<1	0	0
Nickel	ppm ASTM D5185m >20	<1	<1	0
Titanium	ppm ASTM D5185m	<1	0	0
Silver	ppm ASTM D5185m	<1	<1	<1
Aluminum	ppm ASTM D5185m >20	2	0	1
Lead	ppm ASTM D5185m >20	1	0	0
Copper	ppm ASTM D5185m >20	2	1	1
Tin	ppm ASTM D5185m >20	<1	<1	<1
Vanadium	ppm ASTM D5185m	<1	0	0
Cadmium	ppm ASTM D5185m	<1	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	<1	0	0
Manganese	ppm ASTM D5185m	<1	<1	<1
Magnesium	ppm ASTM D5185m	34	34	24
Calcium	ppm ASTM D5185m	4	2	3
Phosphorus	ppm ASTM D5185m	0	2	2
Zinc	ppm ASTM D5185m	0	0	<1

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	2	<1	<1
Sodium	ppm ASTM D5185m	0	<1	1
Potassium	ppm ASTM D5185m >20	2	<1	1
Water	% ASTM D6304 >0.05	0.012	0.013	0.008
ppm Water	ppm ASTM D6304 >500	124	134	88.3

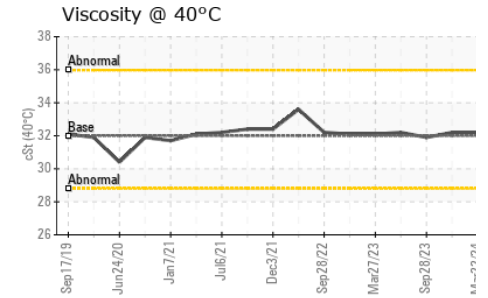
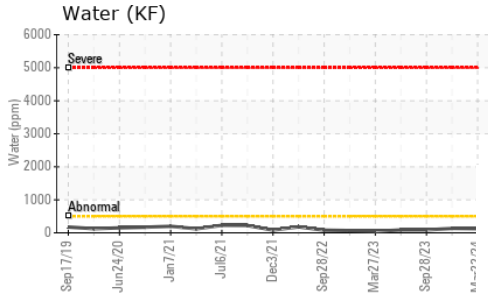
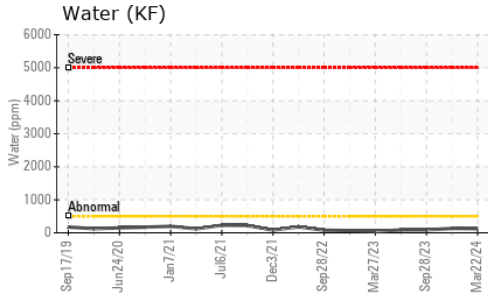
FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.37	0.32	0.33

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	LIGHT	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	LIGHT	LIGHT	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 >0.05	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	Submitt	By: EDDIE BIDDLE

OIL ANALYSIS REPORT



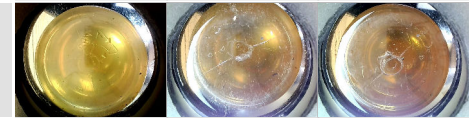
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32	32.2	32.2	31.9

SAMPLE IMAGES		method	limit/base	current	history1	history2
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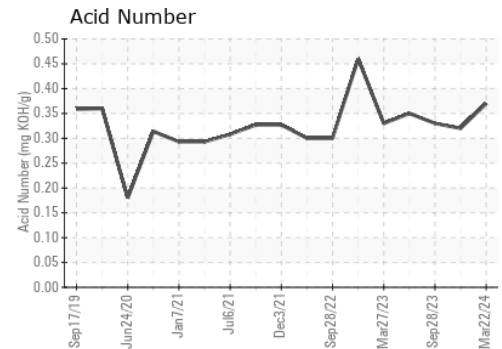
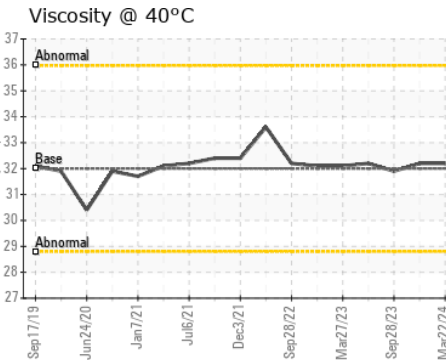
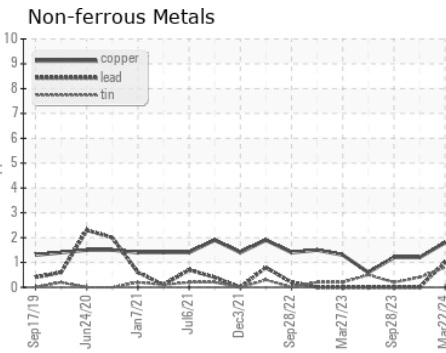
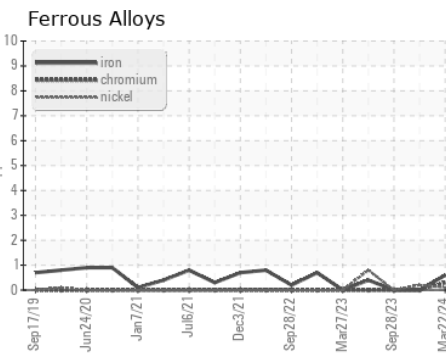
Color



Bottom



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0029149
Lab Number : 06131451
Unique Number : 10950916
Test Package : PLANT

Received : 27 Mar 2024
Tested : 01 Apr 2024
Diagnosed : 01 Apr 2024 - Don Baldrige

ENERGY TRANSFER - FOSTORIA EAST
 2196 BRANDEBERRY RD
 FOSTORIA, OH
 US 44830
 Contact: EDDIE RIDDLE

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: (419)467-7972

F: