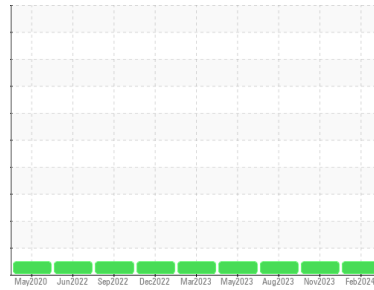




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
CALE_U2 CALE_U2_P2
 Component
Drive End Pump
 Fluid
SHELL TELLUS 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	RP0036999	RP0032728	RP0027206
Sample Date	Client Info	15 Feb 2024	21 Nov 2023	03 Aug 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	1	<1	1
Chromium ppm ASTM D5185m	>5	<1	<1	<1
Nickel ppm ASTM D5185m	>5	<1	<1	0
Titanium ppm ASTM D5185m	>3	<1	<1	0
Silver ppm ASTM D5185m	>3	<1	0	0
Aluminum ppm ASTM D5185m	>7	<1	<1	0
Lead ppm ASTM D5185m	>12	1	<1	<1
Copper ppm ASTM D5185m	>30	2	1	2
Tin ppm ASTM D5185m	>9	4	2	3
Vanadium ppm ASTM D5185m		0	0	0
Cadmium ppm ASTM D5185m		<1	<1	0

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		0	0	0
Barium ppm ASTM D5185m		5	<1	1
Molybdenum ppm ASTM D5185m		<1	<1	0
Manganese ppm ASTM D5185m		<1	<1	0
Magnesium ppm ASTM D5185m	11	66	65	68
Calcium ppm ASTM D5185m	35	11	11	14
Phosphorus ppm ASTM D5185m	259	239	283	285
Zinc ppm ASTM D5185m	277	337	326	362

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>60	2	1	2
Sodium ppm ASTM D5185m		0	0	1
Potassium ppm ASTM D5185m	>20	<1	<1	0
Water % ASTM D6304	>.1	0.001	0.006	0.006
ppm Water ppm ASTM D6304	>1000	8	65	60.0

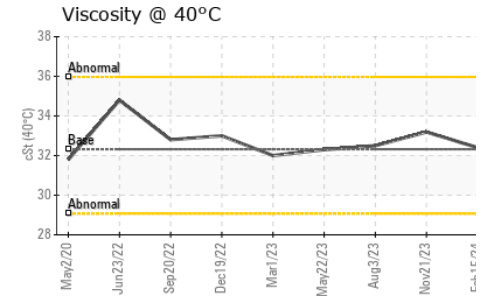
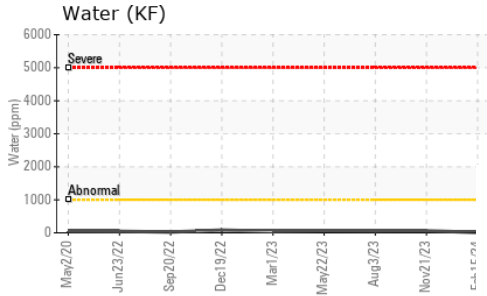
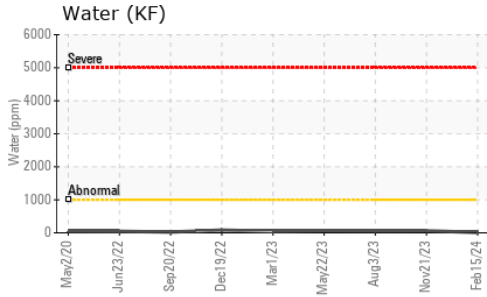
FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.32	0.33	0.33	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	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	>.1	NEG	NEG	NEG
Free Water scalar *Visual		NEG	NEG	NEG

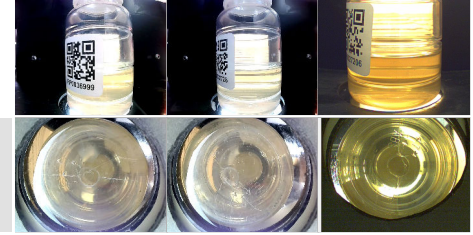
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32.32	32.4	33.19

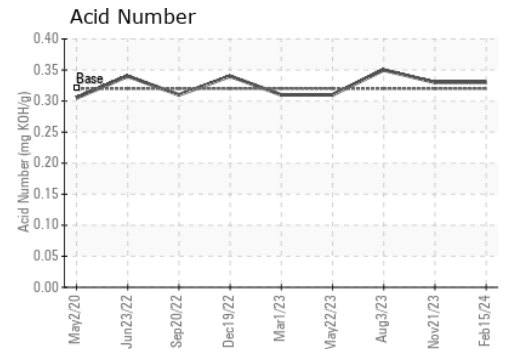
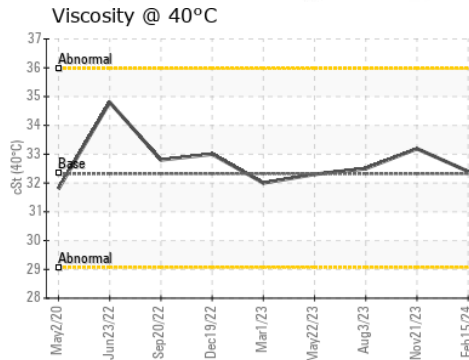
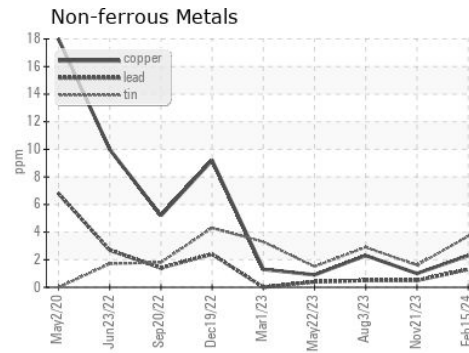
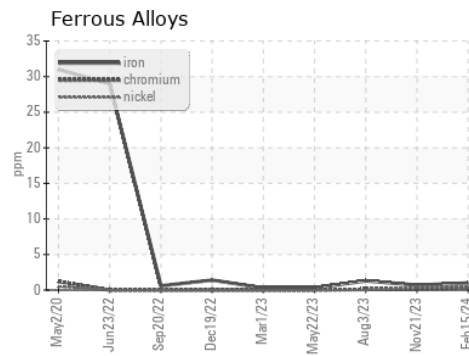
SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color



Bottom

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0036999
Lab Number : 06099247
Unique Number : 10897477
Test Package : IND 2

Received : 23 Feb 2024
Tested : 27 Feb 2024
Diagnosed : 27 Feb 2024 - Don Baldrige

ENERGY TRANSFER - CALEDONIA
 3591 COLD SPRING ROAD
 CALEDONIA, NY
 US 14423
 Contact: JERRY HIGGINS

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: (610)858-3838

F: