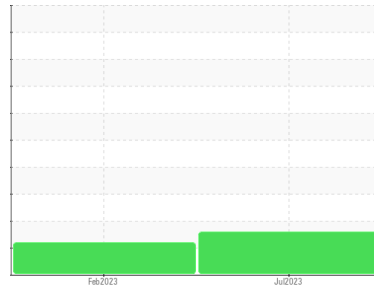




PROBLEM SUMMARY

Sample Rating Trend



VISUAL METAL



Machine Id
ABB_MLU1
 Component
Outboard Pump
 Fluid
NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	---
White Metal	scalar	*Visual	NONE	▲ MODER	▲ MODER	---
Debris	scalar	*Visual	NONE	▲ MODER	NONE	---

Customer Id: ENEOXF
 Sample No.: RP0032472
 Lab Number: 05900006
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

28 Feb 2023 Diag: Jonathan Hester

VISUAL METAL



We suspect abnormal metal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor. Moderate concentration of visible metal present. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

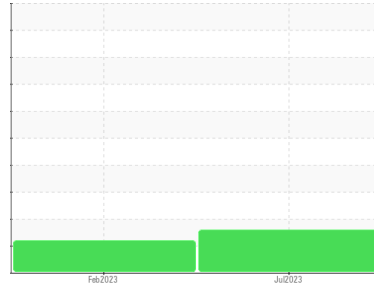


OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL

Machine Id
ABB_MLU1
Component
Outboard Pump
Fluid
NOT GIVEN (--- GAL)



DIAGNOSIS

- Recommendation**
We recommend you service the filters on this component. Resample at the next service interval to monitor.
- Wear**
Moderate concentration of visible metal present. All component wear rates are normal.
- Contamination**
Moderate concentration of visible dirt/debris present 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		RP0032472	RP0032814	---
Sample Date	Client Info		12 Jul 2023	28 Feb 2023	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >90	12	9	---
Chromium	ppm	ASTM D5185m >5	<1	0	---
Nickel	ppm	ASTM D5185m >5	<1	0	---
Titanium	ppm	ASTM D5185m >3	0	0	---
Silver	ppm	ASTM D5185m >3	0	0	---
Aluminum	ppm	ASTM D5185m >7	<1	1	---
Lead	ppm	ASTM D5185m >12	8	6	---
Copper	ppm	ASTM D5185m >30	28	26	---
Tin	ppm	ASTM D5185m >9	10	8	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	0	0	---
Manganese	ppm	ASTM D5185m	<1	<1	---
Magnesium	ppm	ASTM D5185m	70	73	---
Calcium	ppm	ASTM D5185m	0	2	---
Phosphorus	ppm	ASTM D5185m	1	4	---
Zinc	ppm	ASTM D5185m	2	5	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >60	<1	0	---
Sodium	ppm	ASTM D5185m	0	0	---
Potassium	ppm	ASTM D5185m >20	0	<1	---
Water	%	ASTM D6304	0.020	0.019	---
ppm Water	ppm	ASTM D6304 >.1	202.4	192.7	---

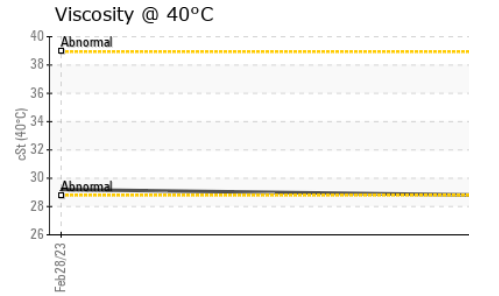
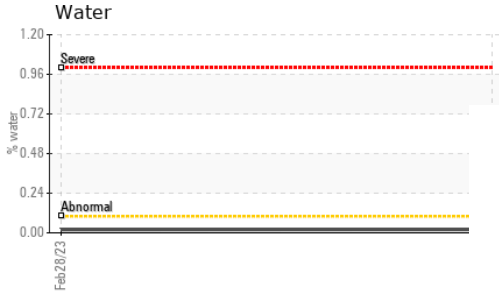
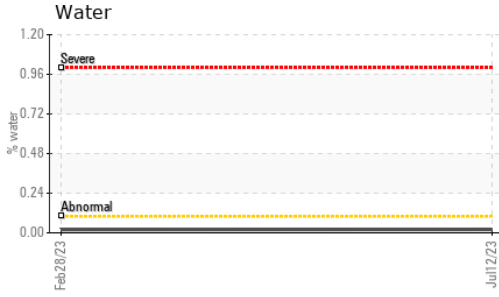
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.37	0.39	---

VISUAL

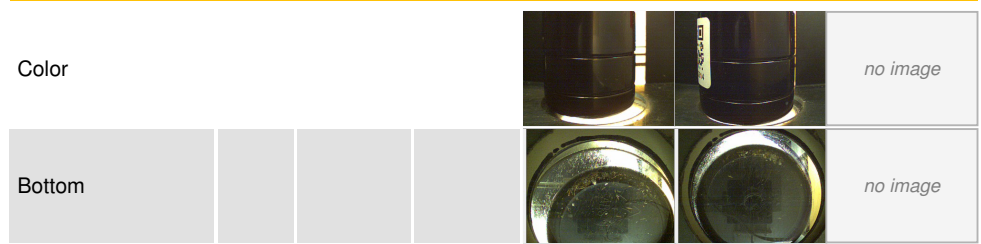
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	▲ MODER	▲ MODER	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	NONE	---
Debris	scalar	*Visual NONE	▲ MODER	NONE	---
Sand/Dirt	scalar	*Visual NONE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

OIL ANALYSIS REPORT

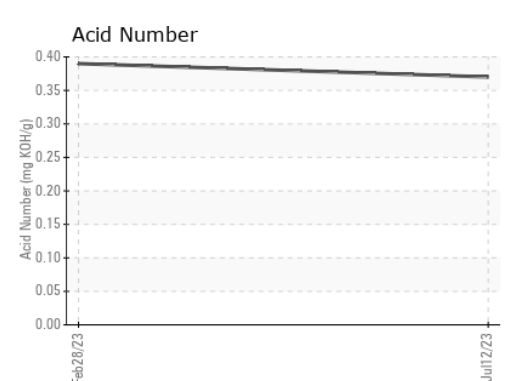
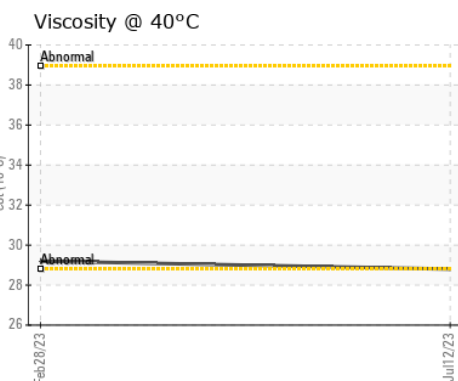
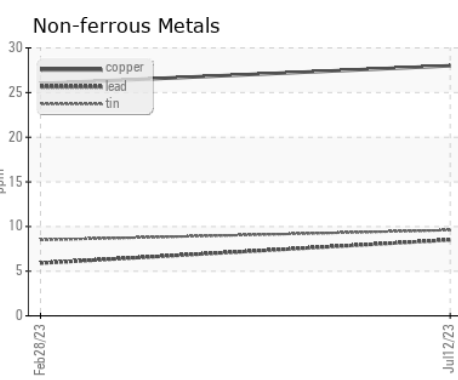
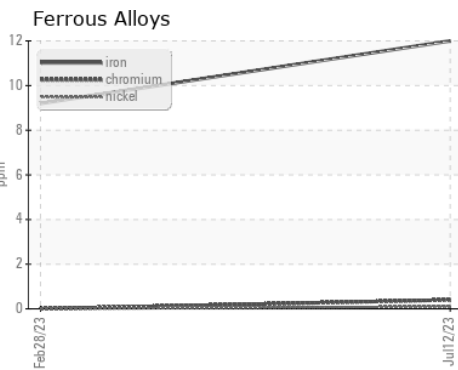


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		28.8	29.2	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0032472 **Received** : 17 Jul 2023
Lab Number : **05900006** **Diagnosed** : 18 Jul 2023
Unique Number : 10561362 **Diagnostician** : Don Baldrige
Test Package : IND 2

ENERGY TRANSFER - OXFORD OFFICE - ABBEVILLE STATION
 1001 COLLEGE HILL RD
 OXFORD, MS
 US 38655
 Contact: Service Manager

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:
F: