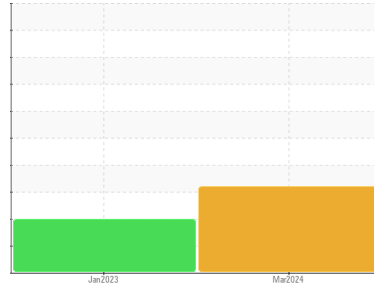




PROBLEM SUMMARY

Sample Rating Trend

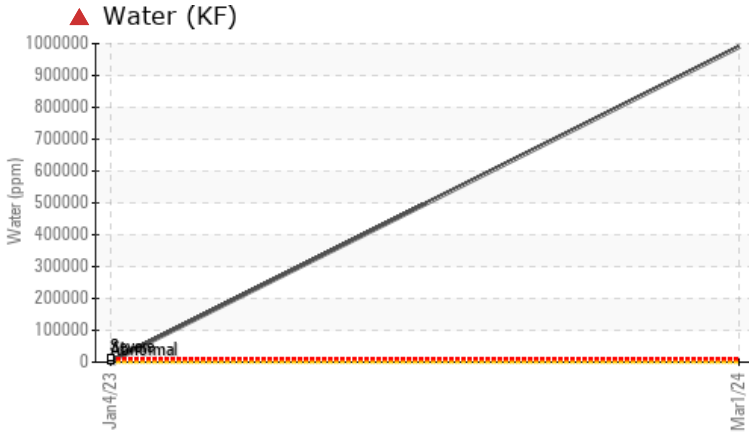


WATER



Machine Id
E-ONE T8/F148
 Component
Hydraulic System
 Fluid
 {not provided} (--- QTS)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ABNORMAL	---
Water	%	ASTM D6304	>0.1	▲ 99.0	▲ 0.204	---
ppm Water	ppm	ASTM D6304	>1000	▲ 990000	▲ 2040	---
Emulsified Water	scalar	*Visual	>0.1	▲ 0.2%	0.2%	---

Customer Id: MEMMEMTN
 Sample No.: WC0907032
 Lab Number: 06121276
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

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 Fluid	---	---	?	We recommend that you drain the oil and perform a filter service on this component if not already done.
Change Filter	---	---	?	We recommend that you drain the oil and perform a filter service on this component if not already done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

04 Jan 2023 Diag: Don Baldrige

WATER



We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

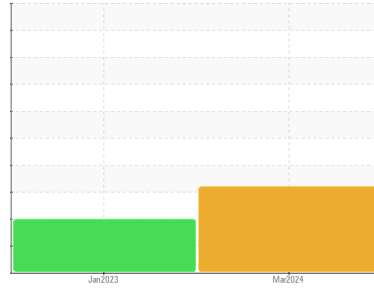
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
E-ONE T8/F148
 Component
Hydraulic System
 Fluid
 {not provided} (--- QTS)

DIAGNOSIS

▲ Recommendation

We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

Sample consists almost entirely of free water. There is a high concentration of water present in the oil.

Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0907032	WC0762433	---
Sample Date	Client Info		01 Mar 2024	04 Jan 2023	---
Machine Age	hrs	Client Info	0	789	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Not Chngd	Not Chngd	---
Sample Status			SEVERE	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	0	2	---
Chromium	ppm	ASTM D5185m >10	0	<1	---
Nickel	ppm	ASTM D5185m >10	0	0	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >10	4	0	---
Lead	ppm	ASTM D5185m >10	<1	0	---
Copper	ppm	ASTM D5185m >75	0	5	---
Tin	ppm	ASTM D5185m >10	0	<1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	---
Barium	ppm	ASTM D5185m	0	12	---
Molybdenum	ppm	ASTM D5185m	0	2	---
Manganese	ppm	ASTM D5185m	0	<1	---
Magnesium	ppm	ASTM D5185m	8	8	---
Calcium	ppm	ASTM D5185m	0	125	---
Phosphorus	ppm	ASTM D5185m	0	454	---
Zinc	ppm	ASTM D5185m	0	127	---
Sulfur	ppm	ASTM D5185m	0	1462	---

CONTAMINANTS

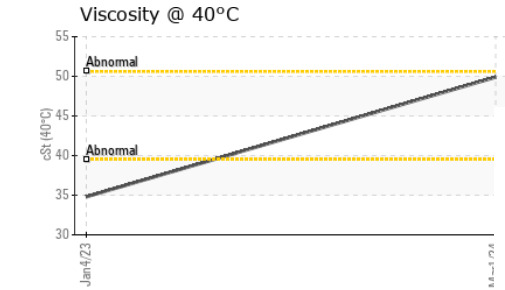
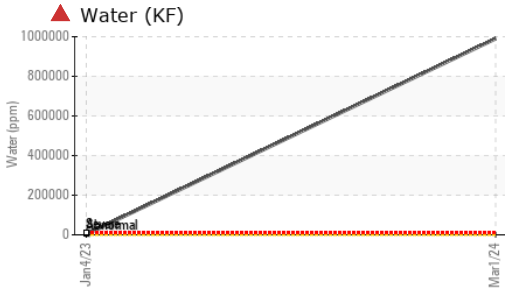
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<1	1	---
Sodium	ppm	ASTM D5185m	0	2	---
Potassium	ppm	ASTM D5185m >20	12	0	---
Water	%	ASTM D6304 >0.1	▲ 99.0	▲ 0.204	---
ppm Water	ppm	ASTM D6304 >1000	▲ 990000	▲ 2040	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	NONE	---
Debris	scalar	*Visual NONE	LIGHT	▲ MODER	---
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	---
Appearance	scalar	*Visual NORML	NORML	NORML	---
Odor	scalar	*Visual NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual >0.1	▲ 0.2%	0.2%	---
Free Water	scalar	*Visual	NEG	NEG	---





OIL ANALYSIS REPORT



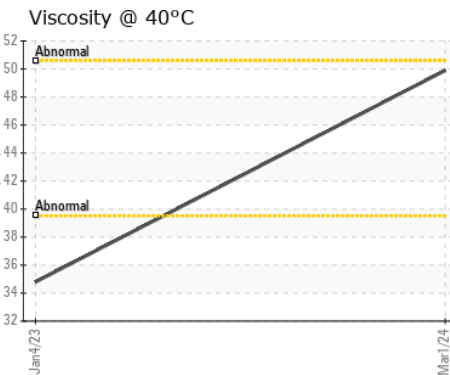
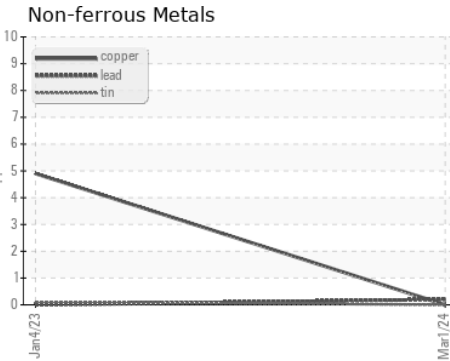
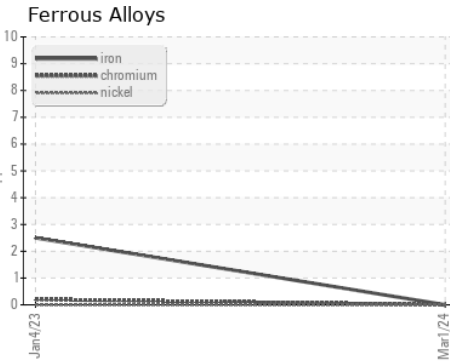
FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	49.9	34.8	---

SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0907032 **Received** : 18 Mar 2024
Lab Number : 06121276 **Tested** : 20 Mar 2024
Unique Number : 10930109 **Diagnosed** : 20 Mar 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: KF)

MEMPHIS FIRE DEPT
 354 ADAMS
 MEMPHIS, TN
 US 38103

Contact: MARCUS QUARLES
 MARCUS.QUARLES@MEMPHISTN.GOV
 T: (910)320-5380
 F: (901)576-6191

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)