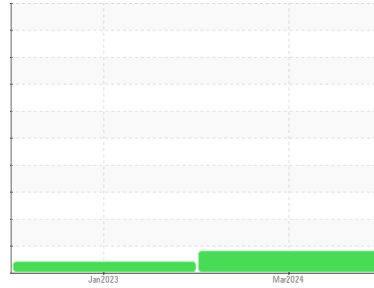




# OIL ANALYSIS REPORT

Sample Rating Trend



**SEDIMENT**



Machine Id  
**E-ONE F-154**  
 Component  
**Hydraulic System**  
 Fluid  
**{not provided} (--- QTS)**

## DIAGNOSIS

### ▲ Recommendation

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

### Wear

All component wear rates are normal.

### ▲ Contamination

There is a moderate amount of visible silt present in the sample.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0907035</b>	WC0762436	---
Sample Date	Client Info		<b>05 Mar 2024</b>	05 Jan 2023	---
Machine Age	hrs	Client Info	<b>0</b>	2159	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	---
Sample Status			<b>ABNORMAL</b>	ABNORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>0</b>	3	---
Chromium	ppm	ASTM D5185m >10	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m >10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >10	<b>4</b>	0	---
Lead	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m >75	<b>0</b>	2	---
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	2	---
Manganese	ppm	ASTM D5185m	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m	<b>8</b>	9	---
Calcium	ppm	ASTM D5185m	<b>0</b>	134	---
Phosphorus	ppm	ASTM D5185m	<b>0</b>	430	---
Zinc	ppm	ASTM D5185m	<b>0</b>	93	---
Sulfur	ppm	ASTM D5185m	<b>0</b>	1795	---

## CONTAMINANTS

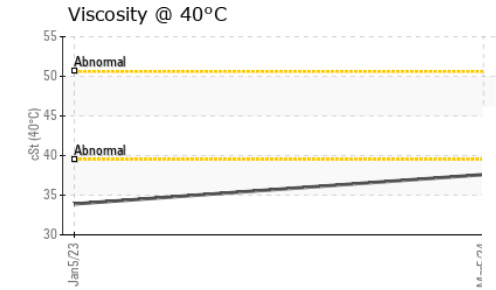
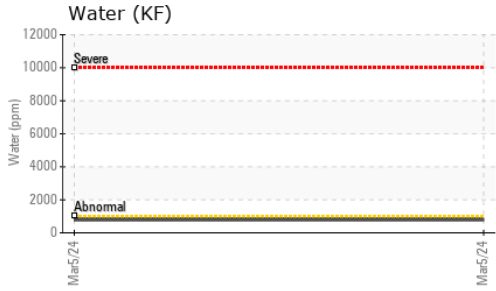
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>0</b>	1	---
Sodium	ppm	ASTM D5185m	<b>0</b>	<1	---
Potassium	ppm	ASTM D5185m >20	<b>11</b>	<1	---
Water	%	ASTM D6304 >0.1	<b>0.079</b>	---	---
ppm Water	ppm	ASTM D6304 >1000	<b>790</b>	---	---

## VISUAL

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





# OIL ANALYSIS REPORT



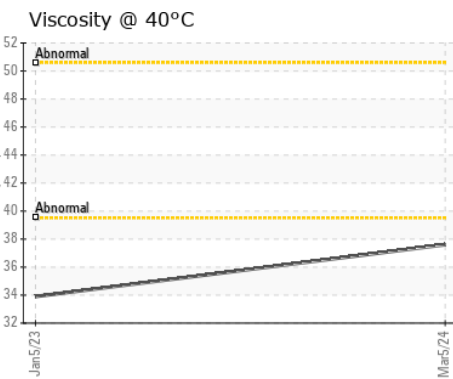
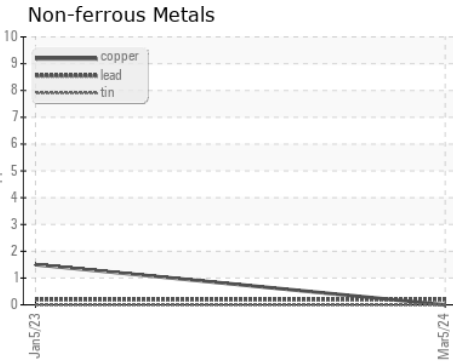
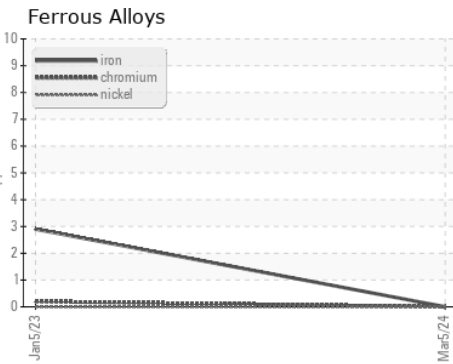
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	<b>37.6</b>	33.9	---

### 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.** : WC0907035      **Received** : 18 Mar 2024  
**Lab Number** : **06121271**      **Tested** : 20 Mar 2024  
**Unique Number** : 10930104      **Diagnosed** : 20 Mar 2024 - Don Baldrige  
**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)