



# OIL ANALYSIS REPORT

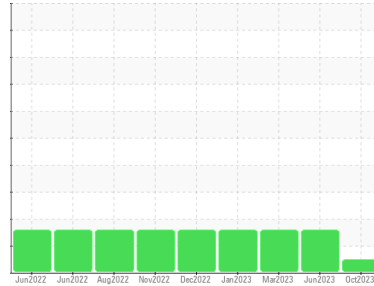
Sample Rating Trend

**NORMAL**



Machine Id  
**ELGI 2414 (S/N MOGL060021)**

Component  
**Compressor**  
Fluid  
**ULTRACHEM PO 4010 (--- GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: Changed oil since last oil sample )

### Wear

All component wear rates are normal.

### Contamination

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			<b>WC0865857</b>	WC0832443	WC0802546
Sample Date	Client Info			<b>05 Oct 2023</b>	23 Jun 2023	23 Mar 2023
Machine Age	hrs	Client Info		<b>49069</b>	47040	45004
Oil Age	hrs	Client Info		<b>1569</b>	40745	40745
Oil Changed	Client Info			<b>Changed</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	MARGINAL	MARGINAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Tin	ppm	ASTM D5185m	>15	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	0.4	<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0.5	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	0.4	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	0	<b>3</b>	<1	0
Calcium	ppm	ASTM D5185m	0.3	<b>&lt;1</b>	0	0
Phosphorus	ppm	ASTM D5185m	1376	<b>6</b>	4	6
Zinc	ppm	ASTM D5185m	0	<b>4</b>	0	0
Sulfur	ppm	ASTM D5185m	320	<b>32</b>	30	0

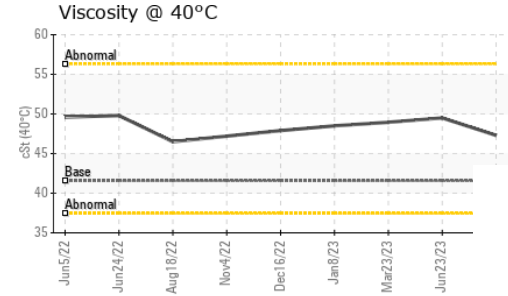
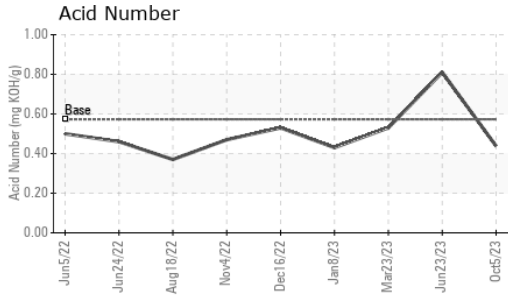
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>13</b>	▲ 45	▲ 44
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	1	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.573	<b>0.438</b>	0.81	0.53

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

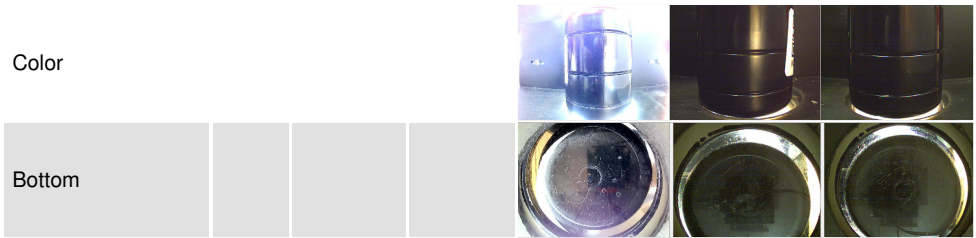


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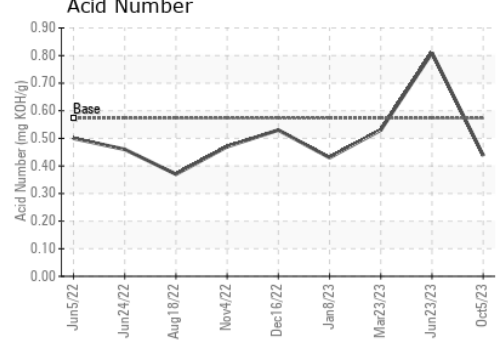
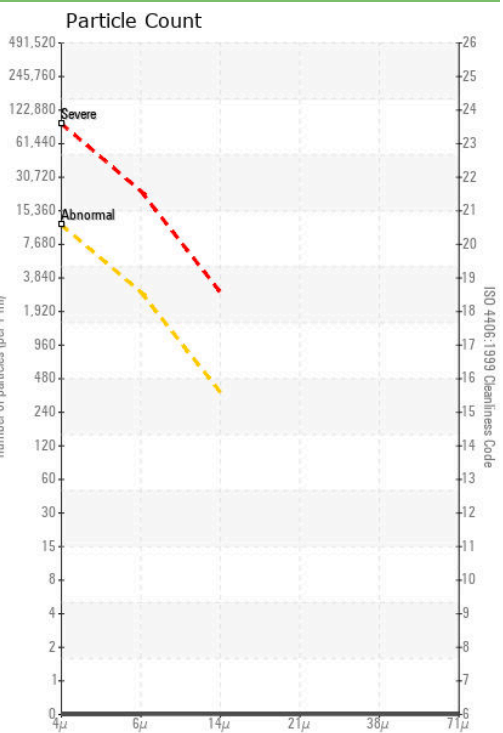
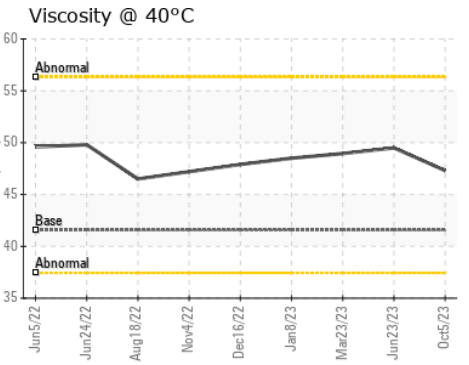
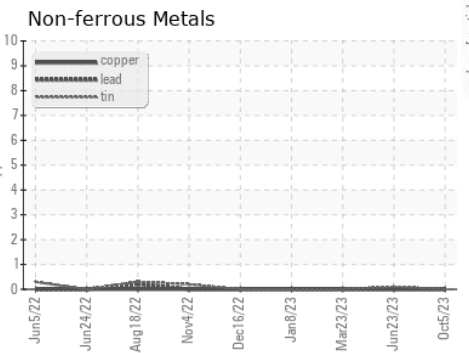
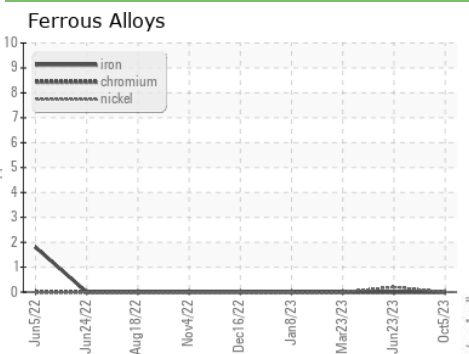


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	41.57	<b>47.3</b>	49.5	48.95

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0865857      **Received** : 13 Oct 2023  
**Lab Number** : 05978221      **Diagnosed** : 17 Oct 2023  
**Unique Number** : 10695516      **Diagnostician** : Jonathan Hester  
**Test Package** : PLANT

**EATON CORP - ROXBORO**  
 2564 DURHAM RD  
 ROXBORO, NC  
 US 27573  
 Contact: DARIAN SMITH  
 darianbsmith@eaton.com;darian.smith78@gmail.com

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)