



# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**[7499440]**  
 Machine Id  
**CPU/04132 (S/N 8/20/2004)**  
 Component  
**Hydraulic System**  
 Fluid  
**FIRE-RESISTANT FLUID ISO 46 (--- GAL)**



## DIAGNOSIS

### Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

All component wear rates are normal.

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

### Fluid Condition

The AN level is acceptable for this fluid. The water concentration 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>WC</b>	---	---
Sample Date	Client Info	<b>01 Jul 2023</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*	<b>1.097</b>	---	---
pH	Scale 0-14 ASTM D1287*	<b>9.09</b>	---	---
Nitrites	ppm Alcan Test Kit*	<b>800</b>	---	---
Reserve Alkalinity	Scale 0-20 ASTM D1121*	<b>17.8</b>	---	---
Percentage Glycol	% ASTM D3321*	<b>77.4</b>	---	---
Freezing Point	°C ASTM D3321*	<b>-58</b>	---	---
Carboxylate		<b>---</b>	---	---

## CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Phosphorus	ppm ASTM D5185(m) 175	<b>&lt;1</b>	---	---
Boron	ppm ASTM D5185(m) 5	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185(m) 5	<b>0</b>	---	---

## CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >20	<b>0</b>	---	---
Aluminum	ppm ASTM D5185(m) >20	<b>0</b>	---	---
Copper	ppm ASTM D5185(m) >20	<b>0</b>	---	---
Lead	ppm ASTM D5185(m) >20	<b>0</b>	---	---
Tin	ppm ASTM D5185(m) >20	<b>0</b>	---	---
Silver	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Zinc	ppm ASTM D5185(m) >125	<b>0</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	<b>1483</b>	---	---
Particles >6µm	ASTM D7647 >1300	<b>445</b>	---	---
Particles >14µm	ASTM D7647 >160	<b>29</b>	---	---
Particles >21µm	ASTM D7647 >40	<b>3</b>	---	---
Particles >38µm	ASTM D7647 >10	<b>0</b>	---	---
Particles >71µm	ASTM D7647 >3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	<b>18/16/12</b>	---	---

## CARRIER SALTS

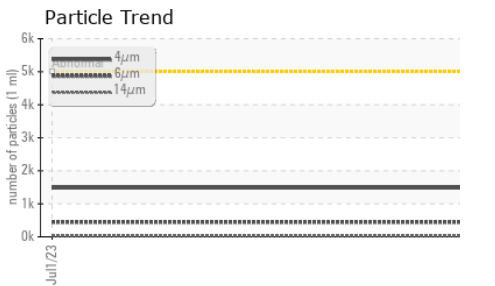
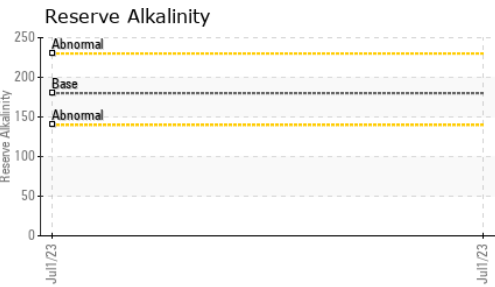
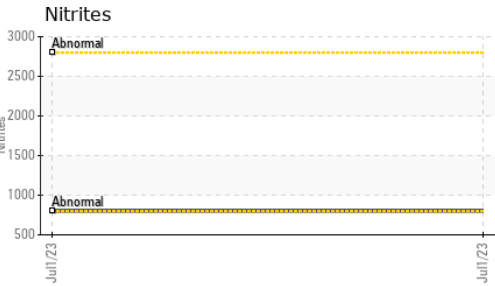
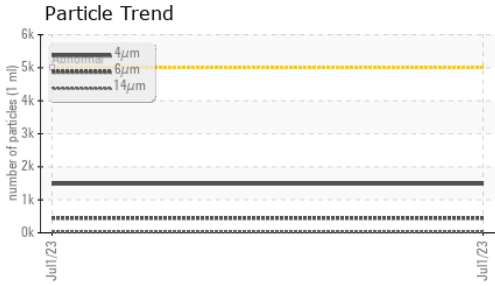
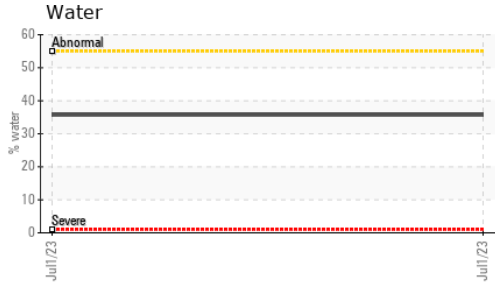
method	limit/base	current	history1	history2
Sodium	ppm ASTM D5185(m)	<b>4</b>	---	---
Potassium	ppm ASTM D5185(m)	<b>0</b>	---	---

## SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D5185(m) >100	<b>0</b>	---	---
Magnesium	ppm ASTM D5185(m) >10	<b>0</b>	---	---
Hardness	mg/L CaCO3 In-house* <75	<b>0</b>	---	---

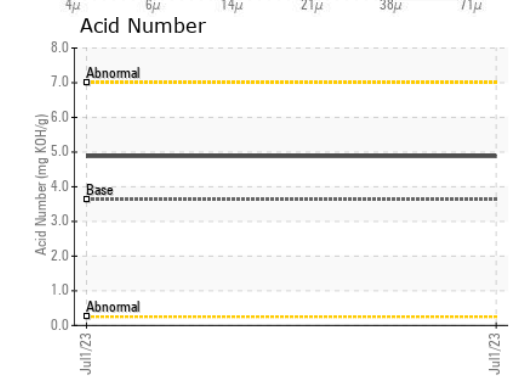
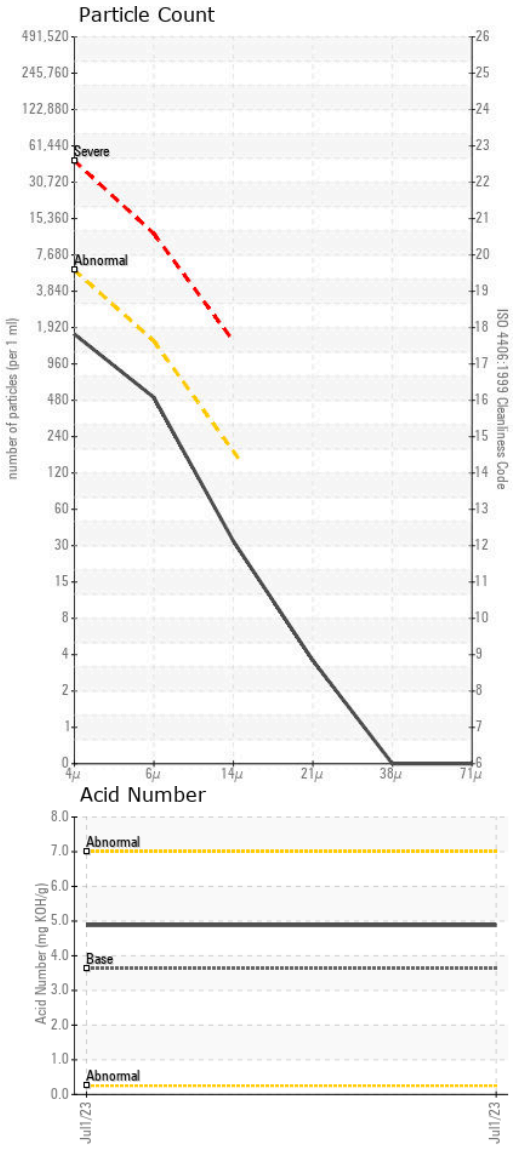
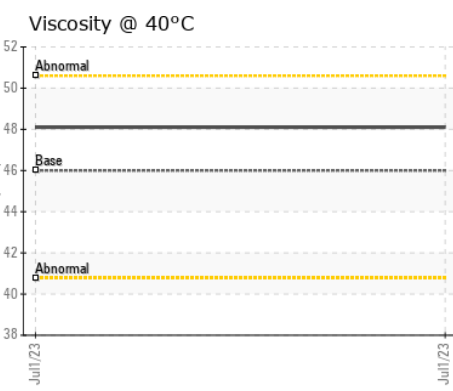
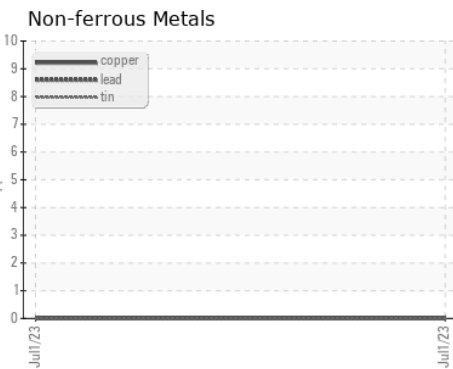
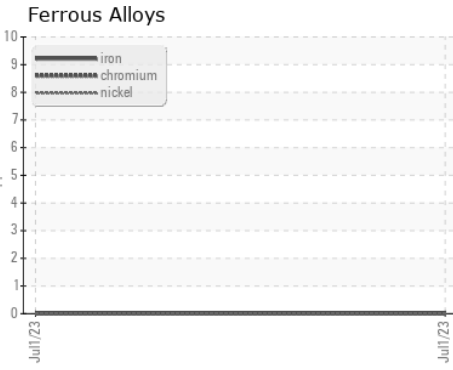


# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	Visual*		Red	---	---
Coolant Appearance	Visual*	Clear	Very cld	---	---
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC **Received** : 23 Aug 2023  
**Lab Number** : 02577829 **Diagnosed** : 28 Aug 2023  
**Unique Number** : 5630889 **Diagnostician** : Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: Cool, Hardness, KF, pH, ReserveAlk, TAN Man )

**ESCO LTD.**  
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To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.