



# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Area  
**I03500 - Hydro Ext. (SAPA)**  
 Machine Id  
**Production A2308032**  
 Component  
**Hydraulic System**  
 Fluid  
**NOT GIVEN (--- GAL)**

**DIAGNOSIS**

- ▲ **Recommendation**  
This is a baseline read-out on the submitted sample.
- ▲ **Wear**  
Iron ppm levels are noted.
- Contamination**  
{not applicable}
- Fluid Condition**  
{not applicable}

**SAMPLE INFORMATION**

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>E30000059</b>	---	---
Sample Date	Client Info		<b>08 Aug 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>ATTENTION</b>	---	---

**WEAR METALS**

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	---	---
Iron	ppm	ASTM D5185(m) >20	<b>▲ 59</b>	---	---
Chromium	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>2</b>	---	---
Aluminum	ppm	ASTM D5185(m) >10	<b>4</b>	---	---
Lead	ppm	ASTM D5185(m) >20	<b>1</b>	---	---
Copper	ppm	ASTM D5185(m) >20	<b>8</b>	---	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Barium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>1</b>	---	---
Magnesium	ppm	ASTM D5185(m)	<b>15</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>62</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>428</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>363</b>	---	---
Sulfur	ppm	ASTM D5185(m)	<b>2602</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

**CONTAMINANTS**

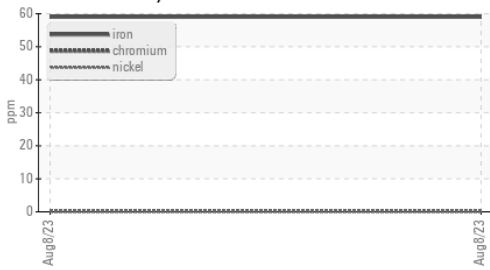
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<b>1</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>4</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>5</b>	---	---

**VISUAL**

	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---

# OIL ANALYSIS REPORT

### ▲ Ferrous Alloys

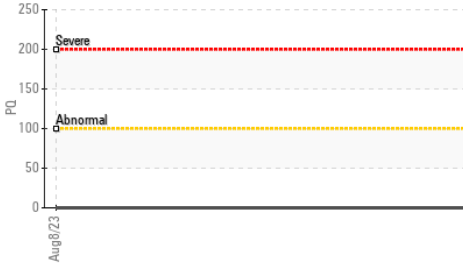


### SAMPLE IMAGES

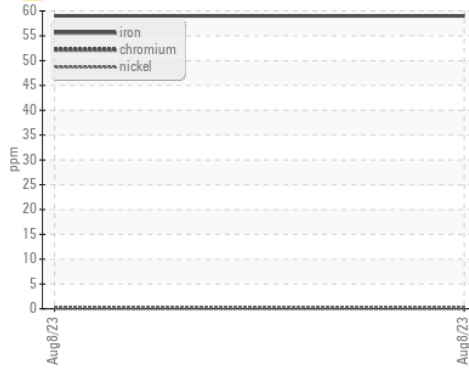
method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

### GRAPHS

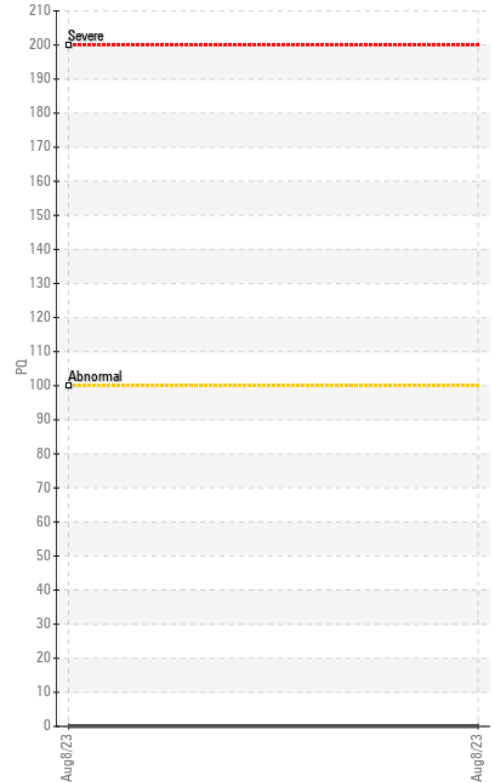
### PQ



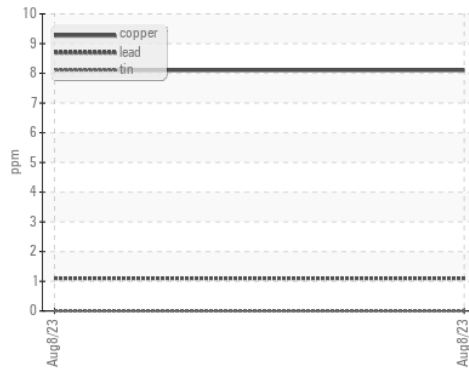
### ▲ Ferrous Alloys



### PQ



### Non-ferrous Metals



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : E30000059      **Received** : 10 Aug 2023  
**Lab Number** : **02575272**      **Diagnosed** : 15 Aug 2023  
**Unique Number** : 5620323      **Diagnostician** : Tatiana Sorkina  
**Test Package** : TEST ( Additional Tests: ICP, PQ )

**Environmental 360 Solutions 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.