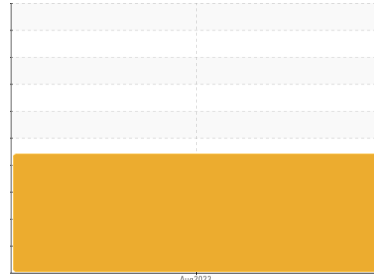




# OIL ANALYSIS REPORT

Sample Rating Trend

**VISUAL METAL**



Area  
**S&E Manufacturing - S04000**  
 Machine Id  
**A2308106**  
 Component  
**Cutting Fluid**  
 Fluid  
**CHEM-ECOL CUTTING OIL 250A (--- GAL)**

**DIAGNOSIS**

- ▲ **Recommendation**  
This is a baseline read-out on the submitted sample.
- ▲ **Wear**  
Copper, iron and lead ppm levels are noted.
- Fluid Condition**  
{not applicable}

**SAMPLE INFORMATION**

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>E30000181</b>	---	---
Sample Date	Client Info		<b>17 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
Iron	ppm	ASTM D5185(m)	▲ <b>124</b>	---	---
Chromium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	<b>3</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	<b>3</b>	---	---
Lead	ppm	ASTM D5185(m)	▲ <b>20</b>	---	---
Copper	ppm	ASTM D5185(m)	▲ <b>80</b>	---	---
Tin	ppm	ASTM D5185(m)	<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>0</b>	---	---

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>4</b>	---	---
Barium	ppm	ASTM D5185(m)	<b>3</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>7</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>26</b>	---	---
Magnesium	ppm	ASTM D5185(m)	<b>3</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>129</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>348</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>169</b>	---	---
Sulfur	ppm	ASTM D5185(m)	<b>4682</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

**CONTAMINANTS**

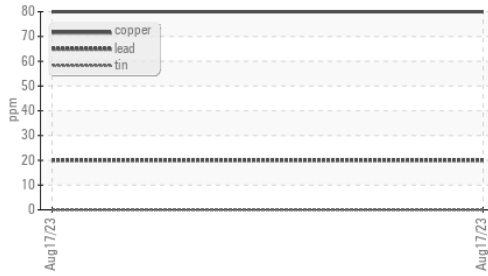
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<b>13</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>7</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>1</b>	---	---

**VISUAL**

	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	▲ <b>MODER</b>	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---
Silt	scalar	Visual*	NONE	▲ <b>HEAVY</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

### ▲ Non-ferrous Metals



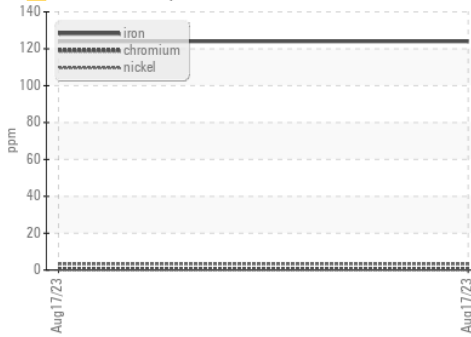
### ▲ Ferrous Alloys



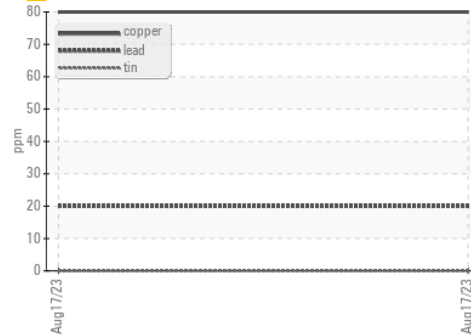
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image
PrtFilter				no image	no image

## GRAPHS

### ▲ Ferrous Alloys



### ▲ Non-ferrous Metals



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : E30000181  
**Lab Number** : **02577619**  
**Unique Number** : 5630679  
**Test Package** : TEST ( Additional Tests: Bottom, BottomAnalysis, FilterPatch, ICP )

**Environmental 360 Solutions Ltd.**  
 640 Victoria Street  
 Cobourg, ON  
 CA K9A 5H5  
 Contact: Tatiana Sorkina  
 tsorkina@e360s.ca  
 T: (800)263-3939  
 F: (905)373-4950

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.