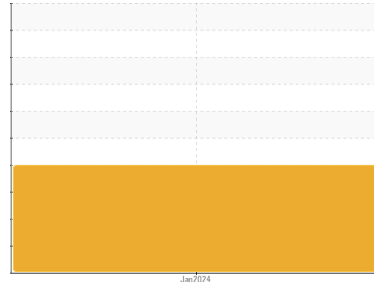




OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Area
Hebler of Canada - O02700
 Machine Id
A2401053
 Component
Gear Unit
 Fluid
{not provided} (--- GAL)

DIAGNOSIS

- ▲ **Recommendation**
This is a baseline read-out on the submitted sample.
- ▲ **Wear**
Aluminum, copper and iron ppm levels are noted.
- ▲ **Contamination**
Silicon ppm levels are notably high.
- ▲ **Fluid Condition**
{not applicable}

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Batch #	Client Info		2024 01 0120	---	---
Department	Client Info		Production	---	---
Sample From	Client Info		Machine	---	---
Production Stage	Client Info		Initial	---	---
Sent to WC	Client Info		01/08/2024	---	---
Sample Number	Client Info		E30001128	---	---
Sample Date	Client Info		08 Jan 2024	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed		Client Info	N/A	---	---
Sample Status			ATTENTION	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >200	▲ 89	---	---
Chromium	ppm	ASTM D5185(m) >10	<1	---	---
Nickel	ppm	ASTM D5185(m) >10	<1	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m)	0	---	---
Aluminum	ppm	ASTM D5185(m)	▲ 20	---	---
Lead	ppm	ASTM D5185(m)	5	---	---
Copper	ppm	ASTM D5185(m)	▲ 36	---	---
Tin	ppm	ASTM D5185(m)	2	---	---
Antimony	ppm	ASTM D5185(m) >5	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

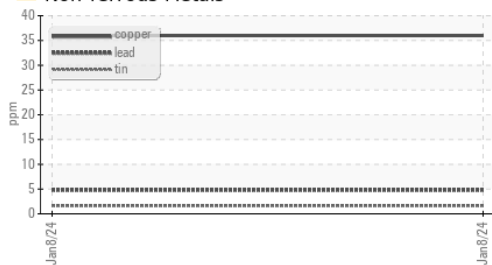
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	25	---	---
Barium	ppm	ASTM D5185(m)	0	---	---
Molybdenum	ppm	ASTM D5185(m)	0	---	---
Manganese	ppm	ASTM D5185(m)	<1	---	---
Magnesium	ppm	ASTM D5185(m)	8	---	---
Calcium	ppm	ASTM D5185(m)	27	---	---
Phosphorus	ppm	ASTM D5185(m)	252	---	---
Zinc	ppm	ASTM D5185(m)	18	---	---
Sulfur	ppm	ASTM D5185(m)	6049	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

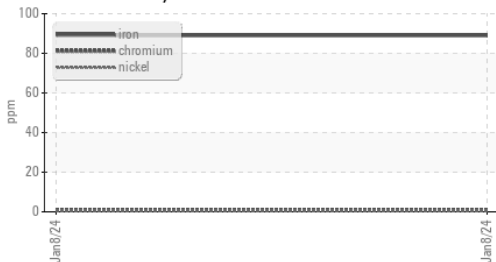
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	▲ 66	---	---
Sodium	ppm	ASTM D5185(m)	4	---	---
Potassium	ppm	ASTM D5185(m) >20	9	---	---

OIL ANALYSIS REPORT

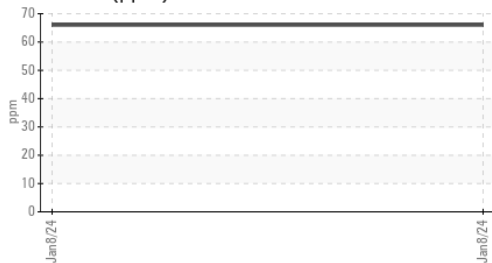
▲ Non-ferrous Metals



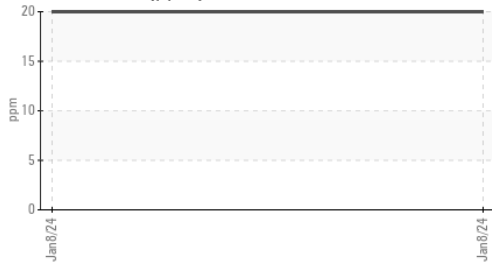
▲ Ferrous Alloys





▲ Silicon (ppm)



▲ Aluminum (ppm)



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	LIGHT	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	HAZY	---	---
Odor	scalar	Visual*	NORML	NORML	---	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30001128 **Recieved** : 10 Jan 2024
Lab Number : **02608017** **Diagnosed** : 11 Jan 2024
Unique Number : 5709103 **Diagnostician** : Tatiana Sorkina
Test Package : TEST (Additional Tests: 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 1-905-372-2251.
 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.