



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
Hendrickson Springs - H00200
 Machine Id
A2308161
 Component
Hydraulic System
 Fluid
AW HYDRAULIC OIL ISO 46 (--- GAL)

DIAGNOSIS

▲ **Recommendation**
 This is a baseline read-out on the submitted sample.

▲ **Wear**
 Iron and lead ppm levels are noted.

Contamination
 {not applicable}

Fluid Condition
 {not applicable}

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	E30000160	---	---
Sample Date	Client Info	28 Aug 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ATTENTION	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	0	---	---
Iron	ppm ASTM D5185(m) >20	▲ 27	---	---
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)	<1	---	---
Aluminum	ppm ASTM D5185(m) >10	1	---	---
Lead	ppm ASTM D5185(m) >20	▲ 18	---	---
Copper	ppm ASTM D5185(m) >20	12	---	---
Tin	ppm ASTM D5185(m) >10	9	---	---
Antimony	ppm ASTM D5185(m)	0	---	---
Vanadium	ppm ASTM D5185(m)	0	---	---
Beryllium	ppm ASTM D5185(m)	0	---	---
Cadmium	ppm ASTM D5185(m)	<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 5	1	---	---
Barium	ppm ASTM D5185(m) 5	0	---	---
Molybdenum	ppm ASTM D5185(m) 5	0	---	---
Manganese	ppm ASTM D5185(m)	1	---	---
Magnesium	ppm ASTM D5185(m) 25	21	---	---
Calcium	ppm ASTM D5185(m) 200	85	---	---
Phosphorus	ppm ASTM D5185(m) 300	437	---	---
Zinc	ppm ASTM D5185(m) 370	442	---	---
Sulfur	ppm ASTM D5185(m) 2500	1302	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

CONTAMINANTS

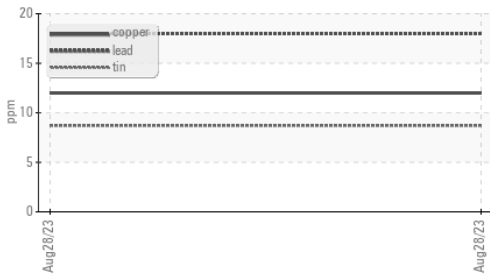
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >15	3	---	---
Sodium	ppm ASTM D5185(m)	8	---	---
Potassium	ppm ASTM D5185(m) >20	1	---	---

VISUAL

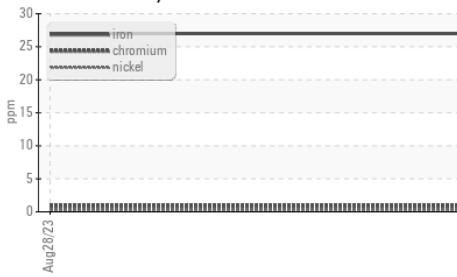
method	limit/base	current	history1	history2
White Metal	scalar Visual* NONE	NONE	---	---
Yellow Metal	scalar Visual* NONE	NONE	---	---
Precipitate	scalar Visual* NONE	NONE	---	---
Silt	scalar Visual* NONE	VLITE	---	---
Debris	scalar Visual* NONE	NONE	---	---
Sand/Dirt	scalar Visual* NONE	NONE	---	---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

OIL ANALYSIS REPORT

▲ Non-ferrous Metals



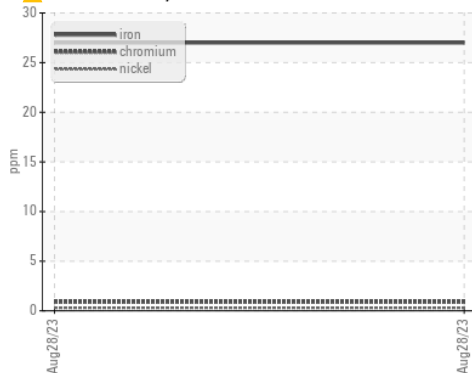
▲ Ferrous Alloys



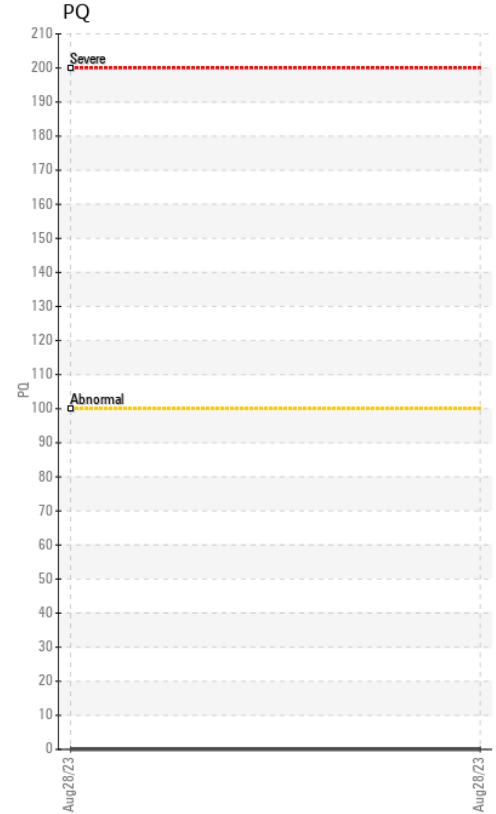
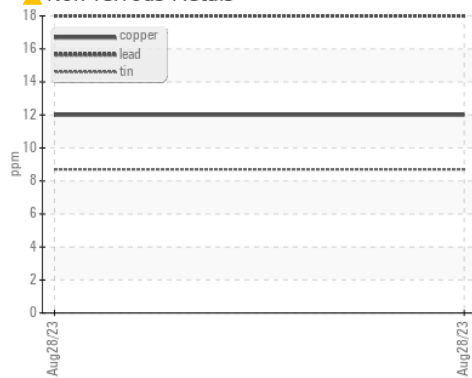
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS

▲ Ferrous Alloys



▲ Non-ferrous Metals



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30000160 **Received** : 30 Aug 2023
Lab Number : **02579536** **Diagnosed** : 30 Aug 2023
Unique Number : 5632596 **Diagnostician** : Tatiana Sorkina
Test Package : TEST (Additional Tests: ICP, PQ)

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.