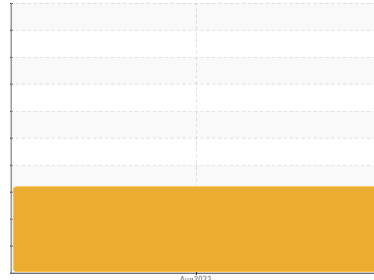




OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Area
Crown Metal - C02400
 Machine Id
A2308108

Component
Hydraulic System
 Fluid
CHEM-ECOL HYDRAULIC 220 AWT (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

Aluminum and copper ppm levels are noted.

Contamination

Silicon ppm levels are notably high.

Fluid Condition

{not applicable}

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	E30000177	---	---
Sample Date	Client Info	16 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
Iron ppm ASTM D5185(m)	>20	7	---	---
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)	>10	▲ 49	---	---
Lead ppm ASTM D5185(m)	>20	11	---	---
Copper ppm ASTM D5185(m)	>20	▲ 25	---	---
Tin ppm ASTM D5185(m)	>10	0	---	---
Antimony ppm ASTM D5185(m)		<1	---	---
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)		<1	---	---
Barium ppm ASTM D5185(m)		0	---	---
Molybdenum ppm ASTM D5185(m)		0	---	---
Manganese ppm ASTM D5185(m)		<1	---	---
Magnesium ppm ASTM D5185(m)		39	---	---
Calcium ppm ASTM D5185(m)		65	---	---
Phosphorus ppm ASTM D5185(m)		363	---	---
Zinc ppm ASTM D5185(m)		243	---	---
Sulfur ppm ASTM D5185(m)		1332	---	---
Lithium ppm ASTM D5185(m)		<1	---	---

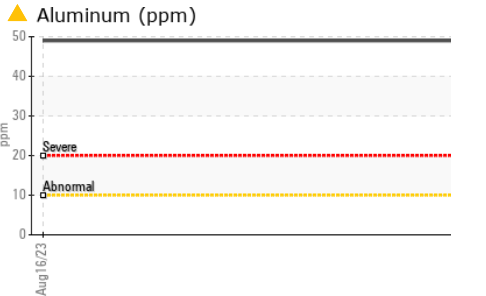
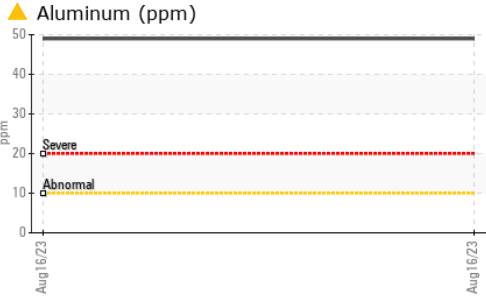
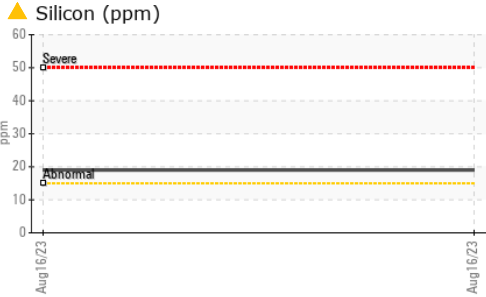
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>15	▲ 19	---	---
Sodium ppm ASTM D5185(m)		3	---	---
Potassium ppm ASTM D5185(m)	>20	<1	---	---

VISUAL

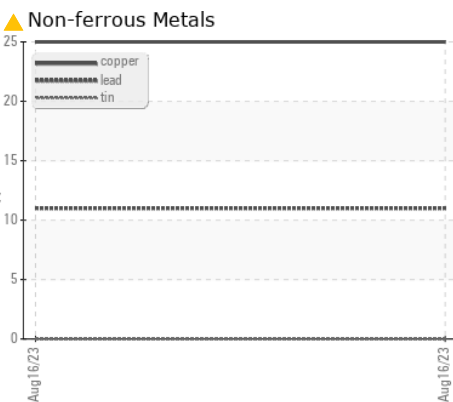
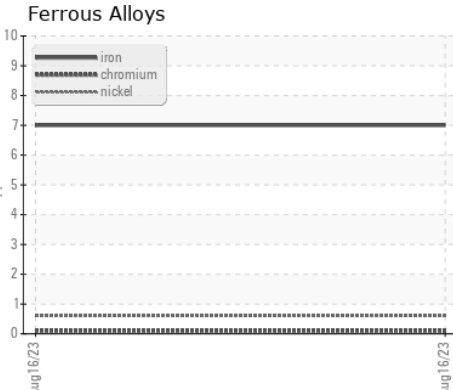
method	limit/base	current	history1	history2
White Metal scalar Visual*	NONE	NONE	---	---
Yellow Metal scalar Visual*	NONE	NONE	---	---
Precipitate scalar Visual*	NONE	NONE	---	---
Silt scalar Visual*	NONE	NONE	---	---
Debris scalar Visual*	NONE	NONE	---	---
Sand/Dirt scalar Visual*	NONE	NONE	---	---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

OIL ANALYSIS REPORT



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. : E30000177
Lab Number : 02577620
Unique Number : 5630680
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 1-800-268-2131.
 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.