



OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Area
Crown Metal - C02400
 Machine Id
A2308179

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

DIAGNOSIS

▲ Recommendation

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

▲ Wear

Aluminum ppm levels are noted. Light concentration of visible metal present.

▲ Contamination

Silicon ppm levels are notably high.

Fluid Condition

{not applicable}

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		E3000208	---	---
Sample Date	Client Info		31 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	3	---
Chromium	ppm	ASTM D5185(m)	>10	0	---
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	▲ 54	---
Lead	ppm	ASTM D5185(m)	>20	6	---
Copper	ppm	ASTM D5185(m)	>20	10	---
Tin	ppm	ASTM D5185(m)	>10	0	---
Antimony	ppm	ASTM D5185(m)		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)		2	---
Barium	ppm	ASTM D5185(m)		0	---
Molybdenum	ppm	ASTM D5185(m)		<1	---
Manganese	ppm	ASTM D5185(m)		<1	---
Magnesium	ppm	ASTM D5185(m)		41	---
Calcium	ppm	ASTM D5185(m)		40	---
Phosphorus	ppm	ASTM D5185(m)		314	---
Zinc	ppm	ASTM D5185(m)		263	---
Sulfur	ppm	ASTM D5185(m)		906	---
Lithium	ppm	ASTM D5185(m)		<1	---

CONTAMINANTS

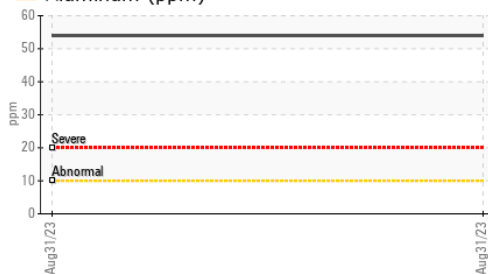
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	▲ 15	---
Sodium	ppm	ASTM D5185(m)		11	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---

VISUAL

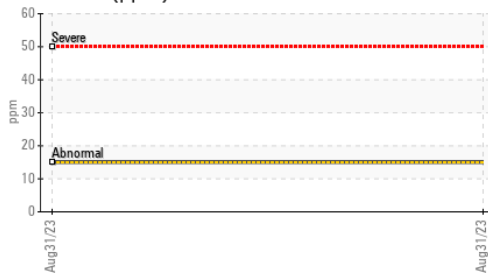
	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	▲ VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	LIGHT	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*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

OIL ANALYSIS REPORT

▲ Aluminum (ppm)

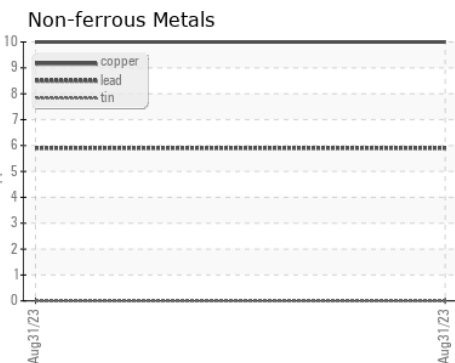
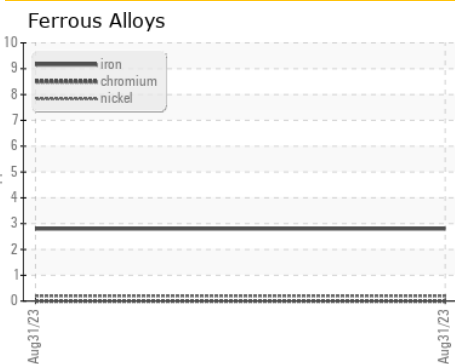


▲ Silicon (ppm)



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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30000208
Lab Number : 02580152
Unique Number : 5633212
Test Package : TEST (Additional Tests: Bottom, BottomAnalysis, FilterPatch, ICP)

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 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.