



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
S+E Manuf - S04000
 Machine Id
A2310114
 Component
Hydraulic System
 Fluid
CHEM-ECOL CUTTING OIL 250A (--- GAL)

DIAGNOSIS

- ▲ Recommendation**
This is a baseline read-out on the submitted sample.
- ▲ Wear**
PQ PQ levels are noted. 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		2023 10 0330	---	---
Machine ID	Client Info		A2310113	---	---
Department	Client Info		Production	---	---
Sample From	Client Info		Machine	---	---
Production Stage	Client Info		Initial	---	---
Sent to WC	Client Info		10/20/2023	---	---
Sample Number	Client Info		E30000566	---	---
Sample Date	Client Info		19 Oct 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*		▲ 354	---	---
Iron	ppm	ASTM D5185(m) >20	▲ 86	---	---
Chromium	ppm	ASTM D5185(m) >10	<1	---	---
Nickel	ppm	ASTM D5185(m) >10	3	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m)	<1	---	---
Aluminum	ppm	ASTM D5185(m) >10	▲ 4	---	---
Lead	ppm	ASTM D5185(m) >20	11	---	---
Copper	ppm	ASTM D5185(m) >20	▲ 138	---	---
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	---	---

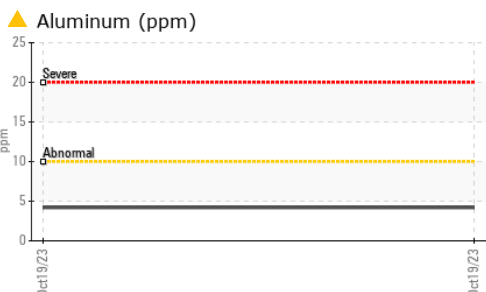
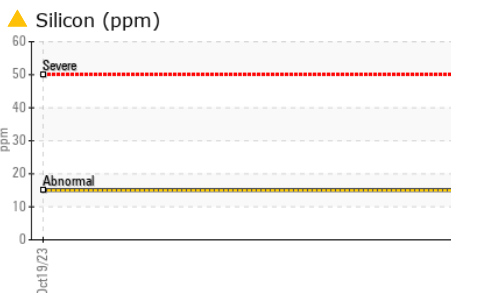
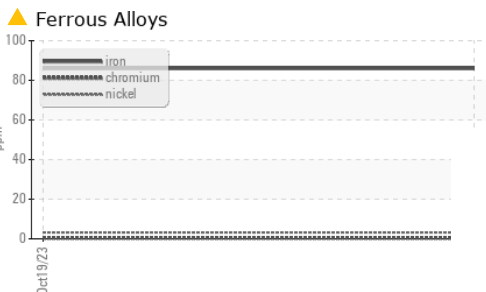
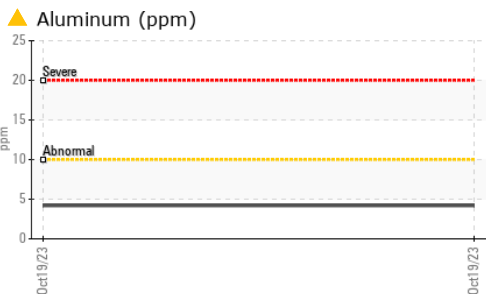
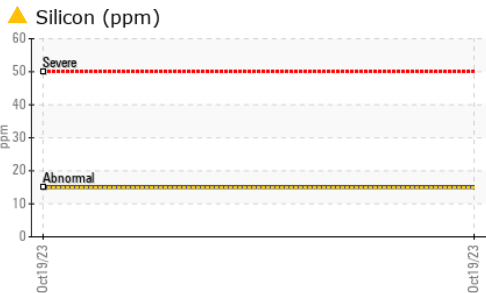
ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	4	---	---
Barium	ppm	ASTM D5185(m)	2	---	---
Molybdenum	ppm	ASTM D5185(m)	8	---	---
Manganese	ppm	ASTM D5185(m)	7	---	---
Magnesium	ppm	ASTM D5185(m)	4	---	---
Calcium	ppm	ASTM D5185(m)	239	---	---
Phosphorus	ppm	ASTM D5185(m)	453	---	---
Zinc	ppm	ASTM D5185(m)	262	---	---
Sulfur	ppm	ASTM D5185(m)	5915	---	---
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)	9	---	---
Potassium	ppm	ASTM D5185(m) >20	<1	---	---

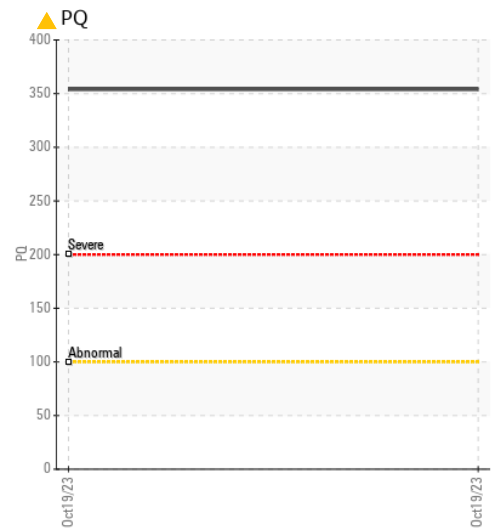
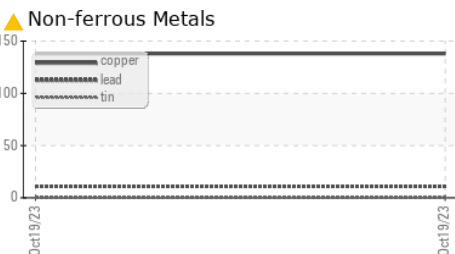
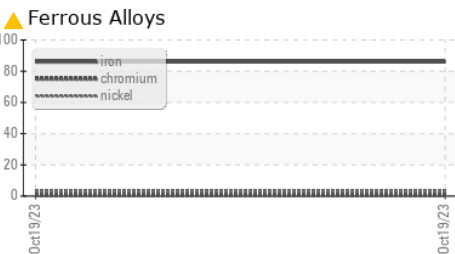
OIL ANALYSIS REPORT



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	---

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. : E30000566
Lab Number : 02591208
Unique Number : 5668287
Test Package : TEST (Additional Tests: Bottom, BottomAnalysis, FilterPatch, ICP, PQ)

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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.