



OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
Crown Metal - C02400
 Machine Id
A2312074
 Component
Hydraulic System
 Fluid
HYD 220 ZNT (--- GAL)

DIAGNOSIS

- ▲ **Recommendation**
This is a baseline read-out on the submitted sample.
- Wear**
Aluminum ppm levels are.
- ▲ **Contamination**
Water and ppm water contamination levels are abnormal. Silicon ppm levels are high.
- Fluid Condition**
Sodium ppm levels are high.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Batch #	Client Info		2023 12 0150	---	---
Department	Client Info		Production	---	---
Sample From	Client Info		Machine	---	---
Production Stage	Client Info		Initial	---	---
Sent to WC	Client Info		12/14/2023	---	---
Sample Number	Client Info		E30000933	---	---
Sample Date	Client Info		14 Dec 2023	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed		Client Info	N/A	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >20	4	---	---
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	57	---	---
Lead	ppm	ASTM D5185(m) >20	3	---	---
Copper	ppm	ASTM D5185(m) >20	9	---	---
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	---	---

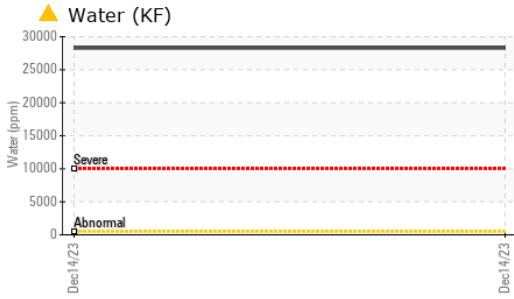
ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	---	---
Barium	ppm	ASTM D5185(m)	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	0	---	---
Manganese	ppm	ASTM D5185(m)	0	---	---
Magnesium	ppm	ASTM D5185(m)	39	---	---
Calcium	ppm	ASTM D5185(m)	53	---	---
Phosphorus	ppm	ASTM D5185(m)	293	---	---
Zinc	ppm	ASTM D5185(m)	254	---	---
Sulfur	ppm	ASTM D5185(m)	954	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

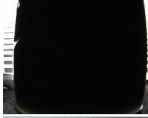

CONTAMINANTS

	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	0	---	---
Water	%	ASTM D6304* >0.05	▲ 2.828	---	---
ppm Water	ppm	ASTM D6304* >500	▲ 28282	---	---

OIL ANALYSIS REPORT



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	VLITE	---	---
Appearance	scalar	Visual*	NORML	MILKY	---	---
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. : E30000933 **Recieved** : 18 Dec 2023
Lab Number : **02603964** **Diagnosed** : 21 Dec 2023
Unique Number : 5697049 **Diagnostician** : Tatiana Sorkina
Test Package : TEST (Additional Tests: ICP, KF)

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.