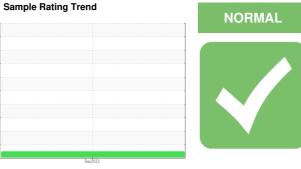


**OIL ANALYSIS REPORT** 

Crown Metal - C02400 A2312013

Component **Hydraulic System** 

HYD 220 ZNT (--- GAL)



### Recommendation

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

### Wear

Aluminum, copper and lead ppm levels are noted.

### Contamination

Silicon ppm levels are notably high.

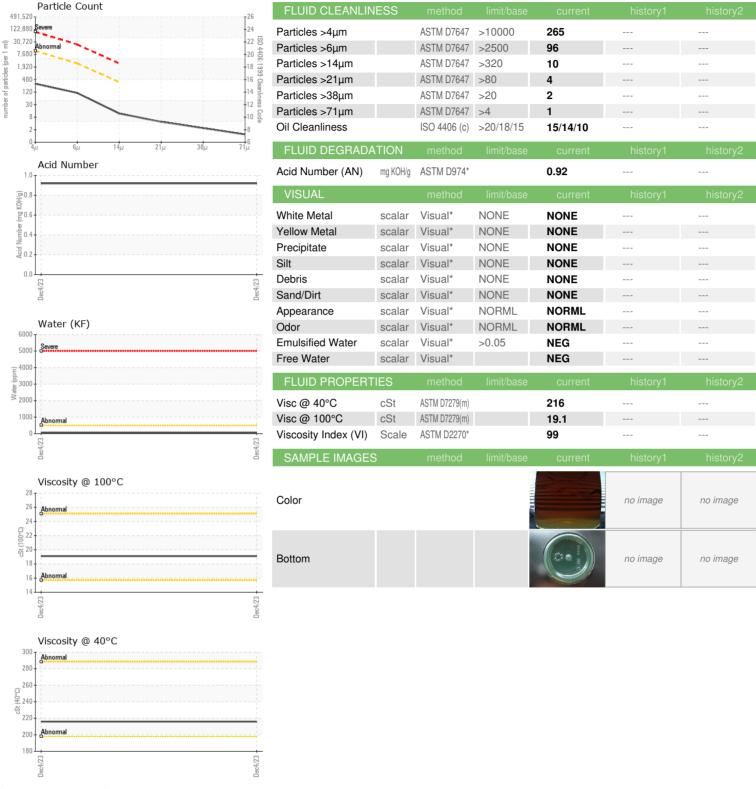
## **Fluid Condition**

{not applicable}

				Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Batch #		Client Info		2023 12 9010		
Machine ID		Client Info		A2312013		
Department		Client Info		Production		
Sample From		Client Info		Machine		
Production Stage		Client Info		Final		
Sent to WC		Client Info		12/04/2023		
Sample Number		Client Info		E30000871		
Sample Date		Client Info		04 Dec 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	6		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		<1		
Aluminum	ppm	ASTM D5185(m)	>20	45		
Lead	ppm	ASTM D5185(m)	>20	18		
Copper	ppm	ASTM D5185(m)	>20	15		
Tin	ppm	ASTM D5185(m)	>20	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)		<1		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		60		
Calcium	ppm	ASTM D5185(m)		101		
Phosphorus	ppm	ASTM D5185(m)		339		
Zinc	ppm	ASTM D5185(m)		282		
Sulfur	ppm	ASTM D5185(m)		1051		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	15		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	0		
Water	%	ASTM D6304*	>0.05	0.005		
ppm Water	ppm	ASTM D6304*	>500	55		



# OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number** 

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

: E30000871 : 02601334

Received Diagnosed : 5694419

: 06 Dec 2023 : 08 Dec 2023

Diagnostician : Tatiana Sorkina

Test Package : IND 2 (Additional Tests: KF, KV100, TAN Man, VI) 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.

Contact/Location: Tatiana Sorkina - CHECOB

Environmental 360 Solutions Ltd.

640 Victoria Street

tsorkina@e360s.ca T: (800)263-3939

F: (905)373-4950

Contact: Tatiana Sorkina

Cobourg, ON

**CA K9A 5H5**