

**OIL ANALYSIS REPORT** 

Crown Metal - C02400 A2310137

Component **Hydraulic System** 

CHEM-ECOL HYD 220 ZNT (--- GAL)

# Sample Rating Trend NORMAL

### Recommendation

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

### Wear

Aluminum and copper ppm levels are noted.

## Contamination

{not applicable}

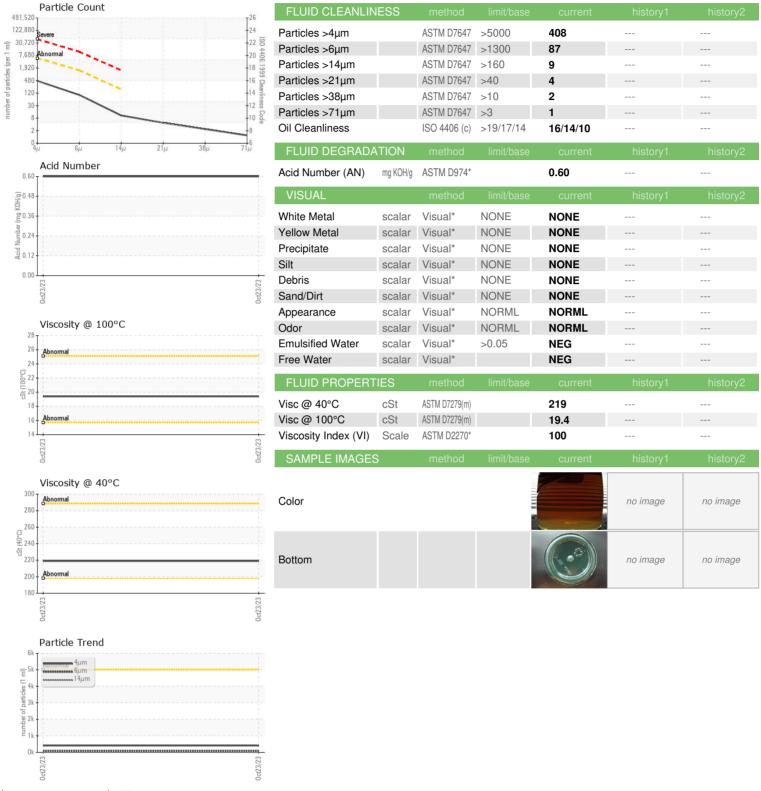
## **Fluid Condition**

{not applicable}

				Oct2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Batch #		Client Info		2023 10 9070		
Machine ID		Client Info		A2310137		
Department		Client Info		Production		
Sample From		Client Info		Machine		
Production Stage		Client Info		Final		
Sent to WC		Client Info		10/24/2023		
Sample Number		Client Info		E30000590		
Sample Date		Client Info		23 Oct 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	5		
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	36		
Lead	ppm	ASTM D5185(m)	>20	4		
Copper	ppm	ASTM D5185(m)	>20	16		
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)		65		
Calcium	ppm	ASTM D5185(m)		108		
Phosphorus	ppm	ASTM D5185(m)		410		
Zinc	ppm	ASTM D5185(m)		340		
Sulfur	ppm	ASTM D5185(m)		1201		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	13		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	0		
Water	%	ASTM D6304*	>0.05	<.001		
ppm Water	ppm	ASTM D6304*	>500	<10		



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CALA ISO 17025:2017 Accredited

Laboratory

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

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 +02592093

: E30000590

Received Diagnosed : 5669172

: 26 Oct 2023 : 10 Nov 2023 Diagnostician : Tatiana Sorkina

Test Package : IND 2 (Additional Tests: KF, KV100, 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.

Environmental 360 Solutions Ltd.

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