



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
Crown Metal - C02400
 Machine Id
A2401099
 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 noted.

Contamination

Silicon ppm levels are notably high.

Fluid Condition

Sodium ppm levels are notably high.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Batch #	Client Info		2024 01 0380	---	---
Department	Client Info		Production	---	---
Sample From	Client Info		Machine	---	---
Production Stage	Client Info		Initial	---	---
Sent to WC	Client Info		01/19/2024	---	---
Sample Number	Client Info		E30001211	---	---
Sample Date	Client Info		19 Jan 2024	---	---
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) >10	0	---	---
Nickel	ppm	ASTM D5185(m) >10	<1	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m)	0	---	---
Aluminum	ppm	ASTM D5185(m) >10	49	---	---
Lead	ppm	ASTM D5185(m) >20	6	---	---
Copper	ppm	ASTM D5185(m) >20	8	---	---
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)	3	---	---
Barium	ppm	ASTM D5185(m)	0	---	---
Molybdenum	ppm	ASTM D5185(m)	0	---	---
Manganese	ppm	ASTM D5185(m)	0	---	---
Magnesium	ppm	ASTM D5185(m)	38	---	---
Calcium	ppm	ASTM D5185(m)	43	---	---
Phosphorus	ppm	ASTM D5185(m)	287	---	---
Zinc	ppm	ASTM D5185(m)	235	---	---
Sulfur	ppm	ASTM D5185(m)	1993	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	14	---	---
Sodium	ppm	ASTM D5185(m)	11	---	---
Potassium	ppm	ASTM D5185(m) >20	1	---	---
Water	%	ASTM D6304* >0.05	NEG	---	---

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	NONE	---	---
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. : E30001211 **Recieved** : 23 Jan 2024
Lab Number : **02610786** **Diagnosed** : 25 Jan 2024
Unique Number : 5711872 **Diagnostician** : Tatiana Sorkina
Test Package : TEST (Additional Tests: ICP, KF)

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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.