

OIL ANALYSIS REPORT

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

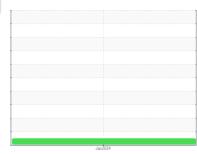
Aluminum ppm levels are noted.

Contamination

Silicon ppm levels are notably high.

Fluid Condition

Sodium ppm levels are notably high.





NORMAL

SAMPLE INFORM	IATION	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		

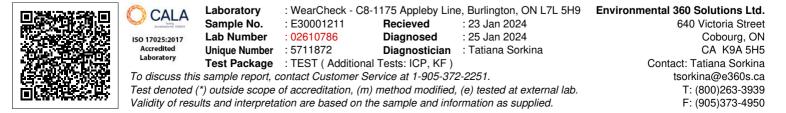
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Sample Rating Trend



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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						
SAMPLE IMAGES	6	method				history2
SAMPLE IMAGES	3	method	limit/base	current	history1 no image	history2 no image
		method	limit/base	current		



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