

## **OIL ANALYSIS REPORT**

Sample Rating Trend

### NORMAL

## Area CPK - D00200 [388] A2309024

Component Hydraulic System Fluid NOT GIVEN (--- GAL)

#### DIAGNOSIS

#### Recommendation

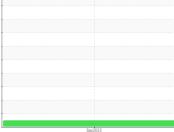
This is a baseline read-out on the submitted sample.

Wear

{not applicable}

Contamination {not applicable}

			1	Sep2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		E30000256		
Sample Date		Client Info		01 Sep 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	<1		
Chromium	ppm	ASTM D5185(m)	>10	0		
Nickel	ppm	ASTM D5185(m)	>10	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>10	0		
Lead	ppm	ASTM D5185(m)	>20	<1		
Copper	ppm	ASTM D5185(m)	>20	1		
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		ASTM D5185(m)		0		
	ppm			0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		00		
Calcium		ASTIVI DSTOS(III)		88		
Phosphorus	ppm	ASTM D5185(m)		88 80		
	ppm ppm	. /				
		ASTM D5185(m)		80		
Zinc	ppm ppm	ASTM D5185(m) ASTM D5185(m)		80 426		
Zinc Sulfur	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		80 426 493		
Zinc Sulfur Lithium	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	80 426 493 1032 <1	  	  
Zinc Sulfur Lithium CONTAMINANTS	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method	limit/base	80 426 493 1032		 
Zinc Sulfur Lithium CONTAMINANTS Silicon	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) <b>method</b> ASTM D5185(m)		80 426 493 1032 <1 current 1	   history1 	   history2 
Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>15	80 426 493 1032 <1 <u>current</u> 1 2	  	  
Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>15 >20	80 426 493 1032 <1 <u>current</u> 1 2 <1	   history1  	   history2  
Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>15 >20 limit/base	80 426 493 1032 <1 current 1 2 <1 current	   history1   history1	   history2   history2
Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm scalar	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) <b>method</b> Visual*	>15 >20 limit/base NONE	80 426 493 1032 <1 current 1 2 <1 2 <1 current NONE	   history1   history1 	   history2  history2 
Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Chisual*	>15 >20 limit/base NONE NONE	80 426 493 1032 <1 current 1 2 <1 current NONE NONE	   history1   history1 	   history2  history2  history2
Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Visual* Visual*	>15 >20 limit/base NONE NONE NONE	80 426 493 1032 <1 current 1 2 <1 2 <1 current NONE NONE NONE NONE	   history1   history1  	   history2  history2  history2
Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Visual* Visual* Visual*	>15 >20 limit/base NONE NONE NONE NONE	80 426 493 1032 <1 current 1 2 <1 current NONE NONE NONE NONE NONE	   history1   history1 	   history2  history2  history2
Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Visual* Visual* Visual* Visual*	>15 >20 limit/base NONE NONE NONE NONE NONE	80 426 493 1032 <1 current 1 2 <1 2 <1 NONE NONE NONE NONE NONE NONE NONE	   history1   history1  	   history2  history2  history2
Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Visual* Visual* Visual*	>15 >20 limit/base NONE NONE NONE NONE NONE NONE	80 426 493 1032 <1 current 1 2 <1 current NONE NONE NONE NONE NONE	   history1   history1  	<ul> <li></li> <li></li> <li></li> <li>history2</li> <li></li> <li>history2</li> <li></li> <li></li></ul>
Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Visual* Visual* Visual* Visual*	>15 >20 limit/base NONE NONE NONE NONE NONE	80 426 493 1032 <1 current 1 2 <1 2 <1 NONE NONE NONE NONE NONE NONE NONE	   history1   history1   	<ul> <li></li> <li></li> <li></li> <li>history2</li> <li></li> <li></li> <li>history2</li> <li></li> <li></li></ul>







# **OIL ANALYSIS REPORT**

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			1256	no image	no image
Bottom				no image	no image
GRAPHS					
Ferrous Alloys					
9 - iron 8 - iron iron 8 - iron irokel					
6 - 5 - 4 -					
3 - 2					
Sep 1/23		Sep1/23			
ی Non-ferrous Metals		Se			
9 8 8					
7					
5 <b>-</b> 4 <b>-</b> 3 <b>-</b>					
2					
Sep 1/23 0		Sep 1/23			

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Environmental 360 Solutions Ltd. Laboratory CALA Sample No. : E30000256 Received : 06 Sep 2023 640 Victoria Street Cobourg, ON Lab Number : 02580811 Diagnosed : 07 Sep 2023 ISO 17025:2017 Accredited Laboratory Unique Number : 5633871 Diagnostician : Tatiana Sorkina CA K9A 5H5 Test Package : TEST (Additional Tests: ICP) Contact: Tatiana Sorkina To discuss this sample report, contact Customer Service at 1-800-268-2131. tsorkina@e360s.ca Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (800)263-3939 Validity of results and interpretation are based on the sample and information as supplied. F: (905)373-4950

Contact/Location: Tatiana Sorkina - CHECOB