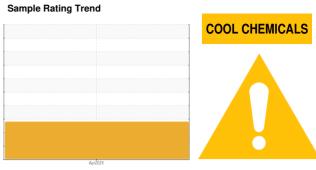


OIL ANALYSIS REPORT

Nexcycle Plastics - N01500 A2404029

Hydraulic System

{not provided} (--- GAL)



DIAGNOSIS

Wear

Iron ppm levels are noted.

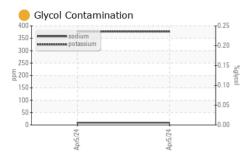
Contamination

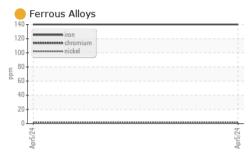
Potassium ppm levels are notably high.

SAMPLE INFORMATION method limit/base current history1 history2					Apr2024		
Batch # Client Info 2024 04 0170							
Department Client Info Production	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample From Client Info Initial	Batch #		Client Info		2024 04 0170		
Production Stage Client Info Client Info Client Info Client Info O4/05/2024	Department		Client Info		Production		
Production Stage Client Info Client Info O4/05/2024	Sample From		Client Info		Machine		
Sent to WC Client Info D4/05/2024 Sample Number Client Info E30001802 Sample Date Client Info O5 Apr 2024 Sample Date Client Info O5 Apr 2024 Sample Date Nr Client Info O Sample Status ABNORMAL Sample Status ABNORMAL Sample Status ABNORMAL Sample Status ABNORMAL Sample Status ABNORMAL Sample Status Sample Status			Client Info		Initial		
Sample Date Client Info 05 Apr 2024	Sent to WC		Client Info		04/05/2024		
Sample Date Client Info 05 Apr 2024	Sample Number		Client Info		E30001802		
Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status ABNORMAL CONTAMINATION method limit/base current history1 history2 Water WC Method >0.05 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185/m >20 140 Iron ppm ASTM D5185/m >10 1 Nikel ppm ASTM D5185/m >10 41 Silver ppm ASTM D5185/m >10 3 Capper ppm ASTM D5185/m >20 10 <td></td> <td></td> <td>Client Info</td> <td></td> <td>05 Apr 2024</td> <td></td> <td></td>			Client Info		05 Apr 2024		
Oil Age hrs Client Info N/A Sample Status ABNORMAL CONTAMINATION method limit/base current history1 history2 WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >20 140 WEAR METALS method limit/base current history1 history2 WEAR METALS method limit/base current history1 history2 Liron ppm ASTM D5185(m) >0 140 Colspan="3">astM D5185(m) >20 olspan="3">olspan="3">olspan="3">olspan="3">olspan="3">olspan="3">olspan="3">olspan="3">olspan="3">olspan="3">olspan="3">olspan="3">olspan="3">olspan="3">olspan=	·	hrs	Client Info				
Oil Changed Sample Status Client Info N/A ABNORMAL CONTAMINATION method limit/base current history1 history2 WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) 20 1	-	hrs	Client Info		0		
Sample Status			Client Info		N/A		
CONTAMINATION method limit/base current history1 history2 Water WC Method >0.05 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >20 140 Chromium ppm ASTM D5185(m) >10 1 Nickel ppm ASTM D5185(m) >10 <1 Silver ppm ASTM D5185(m) >10 3 Aluminum ppm ASTM D5185(m) >20 <1 Aluminum ppm ASTM D5185(m) >20 <1 Lead ppm ASTM D5185(m) >20 <1 Copper ppm ASTM D5185(m) >0 Vanadium ppm ASTM D5185(m) 0					ABNORMAL		
Water WC Method >0.05 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >20 140 Chromium ppm ASTM D5185(m) >10 1 Nickel ppm ASTM D5185(m) >10 <1 Silver ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) >20 <1 Lead ppm ASTM D5185(m) >20 <1 Copper ppm ASTM D5185(m) >20 10 Tin ppm ASTM D5185(m) >0 Vanadium ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 </th <th></th> <th></th> <th></th> <th>11 11 11</th> <th></th> <th>111</th> <th>111</th>				11 11 11		111	111
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >20 140 Chromium ppm ASTM D5185(m) >10 1 Nickel ppm ASTM D5185(m) >10 2 Siiver ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) >20 <1 Lead ppm ASTM D5185(m) >20 10 Copper ppm ASTM D5185(m) >20 10 Tin ppm ASTM D5185(m) >10 0 Antimony ppm ASTM D5185(m) >1 0 Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0	CONTAMINATION	l	method	limit/base		history1	history2
Iron	Water		WC Method	>0.05	NEG		
Chromium ppm ASTM D5185(m) > 10 1 Nickel ppm ASTM D5185(m) > 10 <1 Titanium ppm ASTM D5185(m) 2 Silver ppm ASTM D5185(m) > 10 3 Aluminum ppm ASTM D5185(m) > 20 <1 Lead ppm ASTM D5185(m) > 20 <1 Copper ppm ASTM D5185(m) > 10 0 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 ADDITIVES method limit/base <td< th=""><th>WEAR METALS</th><th></th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></td<>	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185(m)	>20	140		
Titanium	Chromium	ppm	ASTM D5185(m)	>10	1		
Silver	Nickel	ppm	ASTM D5185(m)	>10	<1		
Aluminum ppm ASTM D5185(m) >10 3 Lead ppm ASTM D5185(m) >20 <1	Titanium	ppm	ASTM D5185(m)		2		
Lead ppm ASTM D5185(m) >20 <1	Silver	ppm	ASTM D5185(m)		0		
Copper ppm ASTM D5185(m) >20 10 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) 0 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Magnese ppm ASTM D5185(m) 1 Magnesium ppm ASTM D5185(m) 52 Phosphorus ppm ASTM D5185(m)	Aluminum	ppm	ASTM D5185(m)	>10	3		
Tin ppm ASTM D5185(m) >10 0 Antimony ppm ASTM D5185(m) <1 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) 36 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 1 Magnesium ppm ASTM D5185(m) 52 Phosphorus ppm ASTM D5185(m) 250 Zinc ppm ASTM D5185(m) 3585	Lead	ppm	ASTM D5185(m)	>20	<1		
Antimony ppm ASTM D5185(m) <1 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) 36 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 1 Magnesium ppm ASTM D5185(m) 52 Calcium ppm ASTM D5185(m) 250 Phosphorus ppm ASTM D5185(m) 3585 Sulfur ppm ASTM D5185(m) <1	Copper	ppm	ASTM D5185(m)	>20	10		
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) 36 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 1 Magnesium ppm ASTM D5185(m) 52 Calcium ppm ASTM D5185(m) 250 Phosphorus ppm ASTM D5185(m) 99 Zinc ppm ASTM D5185(m) 3585 Sulfur ppm ASTM D5185(m) <-1	Tin	ppm	ASTM D5185(m)	>10	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) 36 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 1 Magnesium ppm ASTM D5185(m) 52 Calcium ppm ASTM D5185(m) 250 Phosphorus ppm ASTM D5185(m) 99 Zinc ppm ASTM D5185(m) 3585 Sulfur ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current	Antimony	ppm	ASTM D5185(m)		<1		
Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 36 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 1 Magnesium ppm ASTM D5185(m) 52 Calcium ppm ASTM D5185(m) 250 Phosphorus ppm ASTM D5185(m) 99 Zinc ppm ASTM D5185(m) 3585 Sulfur ppm ASTM D5185(m) <1	Vanadium	ppm	ASTM D5185(m)		0		
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 36 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 1 Manganese ppm ASTM D5185(m) 14 Magnesium ppm ASTM D5185(m) 52 Calcium ppm ASTM D5185(m) 250 Phosphorus ppm ASTM D5185(m) 99 Sulfur ppm ASTM D5185(m) 3585 Lithium ppm ASTM D5185(m) <1	Beryllium	ppm	ASTM D5185(m)		0		
Boron ppm ASTM D5185(m) 36 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 1 Magnesium ppm ASTM D5185(m) 52 Calcium ppm ASTM D5185(m) 250 Phosphorus ppm ASTM D5185(m) 99 Zinc ppm ASTM D5185(m) 3585 Sulfur ppm ASTM D5185(m) <1 Lithium ppm ASTM D5185(m) >15 5 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 5 Sodium ppm ASTM D5185(m)	Cadmium	ppm	ASTM D5185(m)		0		
Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 1 Magnesium ppm ASTM D5185(m) 52 Calcium ppm ASTM D5185(m) 250 Phosphorus ppm ASTM D5185(m) 99 Zinc ppm ASTM D5185(m) 3585 Sulfur ppm ASTM D5185(m) <1 Lithium ppm ASTM D5185(m) >15 5 Silicon ppm ASTM D5185(m) >15 5 Sodium ppm ASTM D5185(m) 9	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 1 Magnesium ppm ASTM D5185(m) 14 Calcium ppm ASTM D5185(m) 52 Phosphorus ppm ASTM D5185(m) 250 Zinc ppm ASTM D5185(m) 99 Sulfur ppm ASTM D5185(m) 3585 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 5 Sodium ppm ASTM D5185(m) 9	Boron	ppm	ASTM D5185(m)		36		
Manganese ppm ASTM D5185(m) 1 Magnesium ppm ASTM D5185(m) 14 Calcium ppm ASTM D5185(m) 52 Phosphorus ppm ASTM D5185(m) 250 Zinc ppm ASTM D5185(m) 99 Sulfur ppm ASTM D5185(m) 3585 Lithium ppm ASTM D5185(m) <1	Barium	ppm	ASTM D5185(m)		0		
Magnesium ppm ASTM D5185(m) 14 Calcium ppm ASTM D5185(m) 52 Phosphorus ppm ASTM D5185(m) 250 Zinc ppm ASTM D5185(m) 99 Sulfur ppm ASTM D5185(m) 3585 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 5 Sodium ppm ASTM D5185(m) 9	Molybdenum	ppm	ASTM D5185(m)		0		
Magnesium ppm ASTM D5185(m) 14 Calcium ppm ASTM D5185(m) 52 Phosphorus ppm ASTM D5185(m) 250 Zinc ppm ASTM D5185(m) 99 Sulfur ppm ASTM D5185(m) 3585 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 5 Sodium ppm ASTM D5185(m) 9	Manganese	ppm	ASTM D5185(m)		1		
Calcium ppm ASTM D5185(m) 52 Phosphorus ppm ASTM D5185(m) 250 Zinc ppm ASTM D5185(m) 99 Sulfur ppm ASTM D5185(m) 3585 Lithium ppm ASTM D5185(m) <1	•				14		
Phosphorus ppm ASTM D5185(m) 250 Zinc ppm ASTM D5185(m) 99 Sulfur ppm ASTM D5185(m) 3585 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 5 Sodium ppm ASTM D5185(m) 9					52		
Zinc ppm ASTM D5185(m) 99 Sulfur ppm ASTM D5185(m) 3585 Lithium ppm ASTM D5185(m) <1			, ,		250		
Sulfur ppm ASTM D5185(m) 3585 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 5 Sodium ppm ASTM D5185(m) 9		ppm	ASTM D5185(m)		99		
Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 5 Sodium ppm ASTM D5185(m) 9	Sulfur						
Silicon ppm ASTM D5185(m) >15 5 Sodium ppm ASTM D5185(m) 9	Lithium		ASTM D5185(m)		<1		
Silicon ppm ASTM D5185(m) >15 5 Sodium ppm ASTM D5185(m) 9	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium ppm ASTM D5185(m) 9	Silicon	ppm	ASTM D5185(m)	>15	5		
			. ,				
			()	>20			



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	▲ MODER		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
SAMPLE IMAGES meth		method	limit/base	current	history1	history2
			7			
Color					no image	no image
Color					no image	no image



CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. : E30001802 Lab Number : 02627766 Unique Number : 5760898

Test Package : TEST (Additional Tests: ICP)

To discuss this sample report, contact Customer Service at 1-905-372-2251.

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

: 09 Apr 2024 : 10 Apr 2024 Diagnosed

: 11 Apr 2024 - Tatiana Sorkina

CA K9A 5H5 Contact: Tatiana Sorkina tsorkina@e360s.ca T: (800)263-3939

640 Victoria Street

Cobourg, ON

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. F: (905)373-4950

Validity of results and interpretation are based on the sample and information as supplied. Report Id: CHECOB [WCAMIS] 02627766 (Generated: 04/11/2024 12:37:23) Rev: 1

Contact/Location: Tatiana Sorkina - CHECOB

Environmental 360 Solutions Ltd.