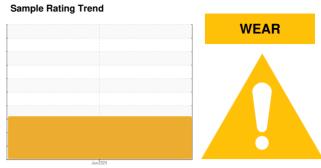


OIL ANALYSIS REPORT

Extrudex Alum - E00400 A2406141

Hydraulic System

AW HYDRAULIC OIL ISO 68 (--- GAL)



DIAGNOSIS

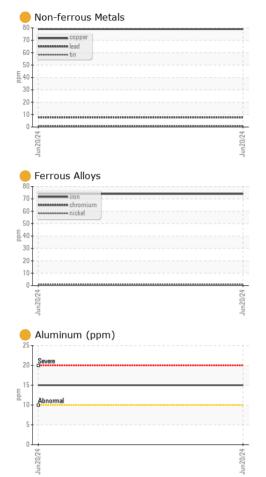
Wear

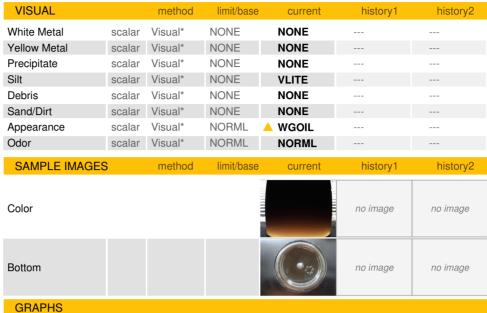
Aluminum, copper and iron ppm levels are noted.

Batch # Client Info 2024 06 0560					Jun 2024	<u> </u>	
Department Cilient Info Production Sample From Cilient Info Machine Sample From Cilient Info Initial Sent to WC Cilient Info Def20/2024 Sample Number Cilient Info E30002490 Sample Date Cilient Info Def20/2024 Sample Status Sample	SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample From Client Info Machine	Batch #		Client Info		2024 06 0560		
Production Stage	Department		Client Info		Production		
Production Stage Client Info Initial Sent to WC Client Info 06/20/2024 Sample Number Client Info E30002490 Sample Date Client Info 20 Jun 2024 Sample Date Client Info 0 Sample Date Machine Age hrs Client Info 0 Sample Status N/A Sample Status ABNORMAL Sample Status ABNORMAL Sample Status CONTAMINATION method limit/base current history1 history2 Water WC Method >0.05 NEG Sample Status MEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >20 74 Sample Status Ppm ASTM D5185(m) >10 <1 Sample Status Ppm ASTM D5185(m) >20 8 Sample Status Ppm ASTM D5185(m) >20 Sample Status Ppm ASTM D5185(m)	Sample From		Client Info		Machine		
Sample Number Client Info E30002490 Sample Date Client Info 20 Jun 2024			Client Info		Initial		
Sample Number Client Info E30002490 Sample Date Client Info 20 Jun 2024	Sent to WC		Client Info		06/20/2024		
Machine Age			Client Info		E30002490		
Machine Age	Sample Date		Client Info		20 Jun 2024		
Coli Changed Client Info N/A		hrs	Client Info		0		
Coli Changed Client Info N/A	Oil Age	hrs	Client Info		0		
CONTAMINATION method limit/base current history1 history2			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 74 Chromium ppm ASTM D5185(m) >10 <1							
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >20 74 Chromium ppm ASTM D5185(m) >10 <1	•		method	limit/hase	current	history1	history2
WEAR METALS method limit/base current history1 history2 Irron ppm ASTM D5185(m) >20 74 Chromium ppm ASTM D5185(m) >10 <1							
						historya	history
Chromium							
Nickel			. ,				
Titanium			()				
Silver			. ,	>10			
Aluminum ppm ASTM D5185(m) >10 15		ppm	, ,		-		
Lead		ppm					
Copper ppm ASTM D5185(m) >20 79 Tin ppm ASTM D5185(m) >10 <1		ppm	, ,				
Tin			. ,		-		
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) 5 1 Barium ppm ASTM D5185(m) 5 <1		ppm	, ,	>20	- 79		
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) 5 1 Barium ppm ASTM D5185(m) 5 <1 Molybdenum ppm ASTM D5185(m) 5 0 Magnesium ppm ASTM D5185(m) 25 12 Calcium ppm ASTM D5185(m) 200 74 Phosphorus ppm ASTM D5185(m) 370 380 Sulfur ppm ASTM D5185(m) 2500 1642 CONTAMINANTS method limit/base current history1		ppm	. ,	>10			
Description	Antimony	ppm	ASTM D5185(m)		0		
Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 5 1 Barium ppm ASTM D5185(m) 5 <1	Vanadium	ppm	ASTM D5185(m)				
ADDITIVES	Beryllium	ppm	ASTM D5185(m)		0		
Boron ppm ASTM D5185(m) 5 1 Barium ppm ASTM D5185(m) 5 <1 Molybdenum ppm ASTM D5185(m) 5 0 Manganese ppm ASTM D5185(m) 25 12 Magnesium ppm ASTM D5185(m) 25 12 Calcium ppm ASTM D5185(m) 200 74 Phosphorus ppm ASTM D5185(m) 300 512 Zinc ppm ASTM D5185(m) 370 380 Sulfur ppm ASTM D5185(m) 2500 1642 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) 2	Cadmium	ppm	ASTM D5185(m)		0		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185(m) 5 0 Manganese ppm ASTM D5185(m) <1	Boron	ppm	ASTM D5185(m)	5	1		
Manganese ppm ASTM D5185(m) <1 Magnesium ppm ASTM D5185(m) 25 12 Calcium ppm ASTM D5185(m) 200 74 Phosphorus ppm ASTM D5185(m) 300 512 Zinc ppm ASTM D5185(m) 370 380 Sulfur ppm ASTM D5185(m) 2500 1642 Lithium ppm ASTM D5185(m) <1	Barium	ppm	ASTM D5185(m)	5	<1		
Magnesium ppm ASTM D5185(m) 25 12 Calcium ppm ASTM D5185(m) 200 74 Phosphorus ppm ASTM D5185(m) 300 512 Zinc ppm ASTM D5185(m) 370 380 Sulfur ppm ASTM D5185(m) 2500 1642 Lithium ppm ASTM D5185(m) <1	Molybdenum	ppm	ASTM D5185(m)	5	0		
Calcium ppm ASTM D5185(m) 200 74 Phosphorus ppm ASTM D5185(m) 300 512 Zinc ppm ASTM D5185(m) 370 380 Sulfur ppm ASTM D5185(m) 2500 1642 Lithium ppm ASTM D5185(m) <1		ppm	ASTM D5185(m)		<1		
Phosphorus ppm ASTM D5185(m) 300 512 Zinc ppm ASTM D5185(m) 370 380 Sulfur ppm ASTM D5185(m) 2500 1642 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) 2	Magnesium	ppm	ASTM D5185(m)	25	12		
Zinc ppm ASTM D5185(m) 370 380 Sulfur ppm ASTM D5185(m) 2500 1642 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) 2	Calcium	ppm	ASTM D5185(m)	200	74		
Sulfur ppm ASTM D5185(m) 2500 1642 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) 2	Phosphorus	ppm	ASTM D5185(m)	300	512		
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) 2	Zinc	ppm	ASTM D5185(m)	370	380		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 5 Sodium ppm ASTM D5185(m) 2	Sulfur	ppm	ASTM D5185(m)	2500	1642		
Silicon ppm ASTM D5185(m) >15 5 Sodium ppm ASTM D5185(m) 2	Lithium	ppm	ASTM D5185(m)		<1		
Sodium ppm ASTM D5185(m) 2	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium ppm ASTM D5185(m) 2	Silicon	ppm	ASTM D5185(m)	>15	5		
				>20	<1		



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

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

Lab Number : 02643855 Unique Number : 5801394

: E30002490

Test Package : TEST (Additional Tests: ICP)

: 24 Jun 2024 Received **Tested** : 25 Jun 2024 Diagnosed

: 26 Jun 2024 - Aylwin Lee

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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