

PROBLEM SUMMARY

Sample Rating Trend

VISCOSITY



Extrudex Aluminum - E00400 **AG187**

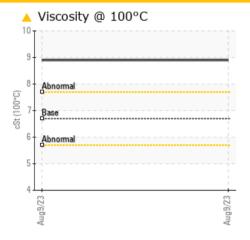
Component **Hydraulic System**

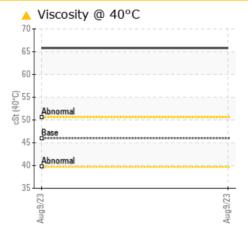
AW HYDRAULIC OIL ISO 46 (--- GAL)

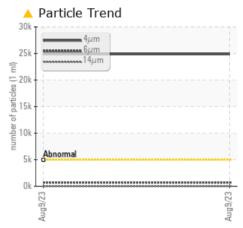




COMPONENT CONDITION SUMMARY







RECOMMENDATION

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

PROBLEMATIC TEST RESULTS											
Sample Status				ΑI	BNORMAL						
Particles >4µm		ASTM D7647	>5000		24872						
Oil Cleanliness		ISO 4406 (c)	>19/17/14		22/17/11						
Visc @ 40°C	cSt	ASTM D7279(m)	46		65.8						
Visc @ 100°C	cSt	ASTM D7279(m)	6.7		8.9						

Customer Id: CHECOB Sample No.: E30000107 Lab Number: 02577488 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Tatiana Sorkina +1 (800)263-3939 tsorkina@e360s.ca

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

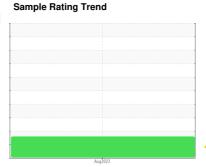
Extrudex Aluminum - E00400

AG187

Component

Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)





DIAGNOSIS

Recommendation

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

Wear

Copper and iron ppm levels are noted.

Contamination

Particles >4µm and oil cleanliness are abnormally high.

▲ Fluid Condition

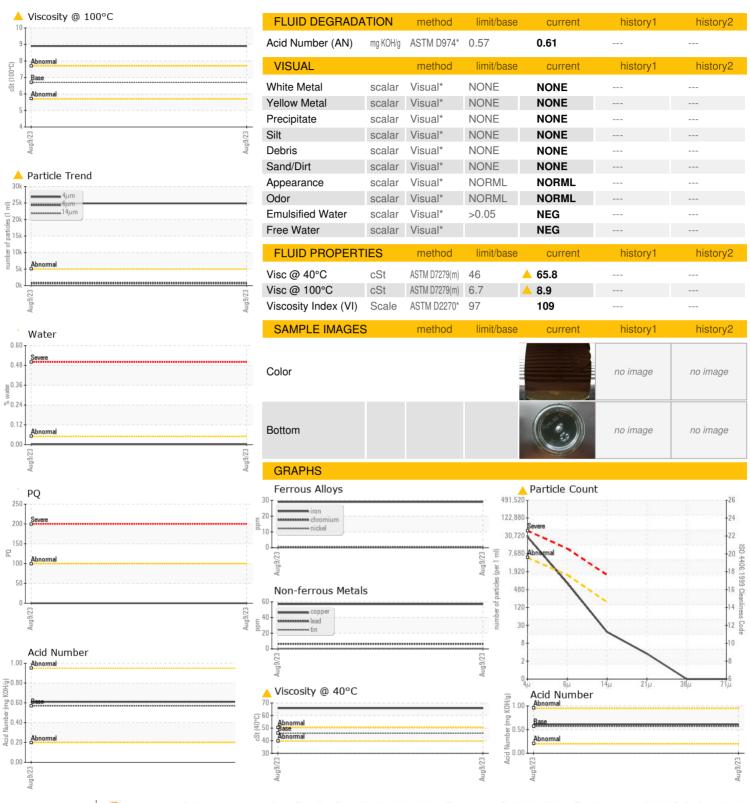
Visc @ 100°C is abnormally high. Visc @ 40°C is abnormally high.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		E30000107		
Sample Date		Client Info		09 Aug 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>20	29		
Chromium	ppm	ASTM D5185(m)	>20	<1		
Nickel	ppm	ASTM D5185(m)	>20	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>20	6		
Lead	ppm	ASTM D5185(m)	>20	6		
Copper	ppm	ASTM D5185(m)	>20	57		
Tin	ppm	ASTM D5185(m)	>20	<1		
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	0		
Barium	ppm	ASTM D5185(m)	5	<1		
Molybdenum	ppm	ASTM D5185(m)	5	0		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)	25	37		
Calcium	ppm	ASTM D5185(m)	200	60		
Phosphorus	ppm	ASTM D5185(m)	300	571		
Zinc	ppm	ASTM D5185(m)	370	448		
Sulfur	ppm	ASTM D5185(m)	2500	1630		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	4		
Sodium	ppm	ASTM D5185(m)		<1		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Water	%	ASTM D6304*	>0.05	0.002		
ppm Water	ppm	ASTM D6304*	>500	20.9		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4um		ASTM D7647	>5000	△ 24872		
Particles >6μm		ASTM D7647	>1300	706		
Particles >14µm		ASTM D7647	>1600	16		
Particles >21µm		ASTM D7647	>40	3		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>^</u> 22/17/11	 eation: Fred Kos	

Contact/Location: Fred Kosseim - CHECOB



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: E30000107 : 02577488

: 5630548

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

: 22 Aug 2023 Diagnosed : 25 Aug 2023

Diagnostician : Tatiana Sorkina Test Package : IND 2 (Additional Tests: KF, KV100, PQ, TAN Man, VI)

To discuss this sample report, contact Customer Service at 1-800-268-2131.

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.

640 Victoria Street Cobourg, ON **CA K9A 5H5** Contact: Fred Kosseim

fkosseim@e360s.ca T: (905)372-2251 F: (905)372-1658

Contact/Location: Fred Kosseim - CHECOB