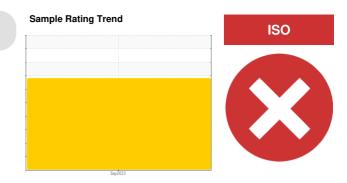


## **PROBLEM SUMMARY**

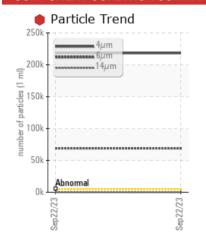
# Inland Iron - 888041 **AG195**

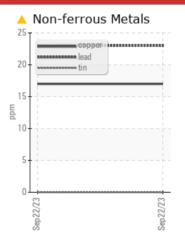
Component **Hydraulic System** 

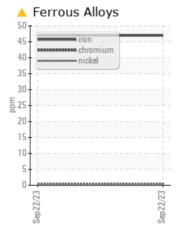
**AW HYDRAULIC OIL ISO 46 (--- GAL)** 

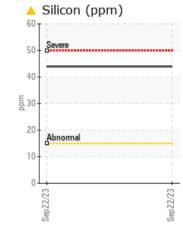


## COMPONENT CONDITION SUMMARY









### **RECOMMENDATION**

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

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE				
Iron	ppm	ASTM D5185(m)	>20	<b>47</b>				
Lead	ppm	ASTM D5185(m)	>20	<b>23</b>				
Silicon	ppm	ASTM D5185(m)	>15	<b>44</b>				
Particles >4µm		ASTM D7647	>5000	218312				
Particles >6µm		ASTM D7647	>1300	<b>68993</b>				
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>25/23/11</b>				

Customer Id: CHECOB Sample No.: E30000425 Lab Number: 02586122 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



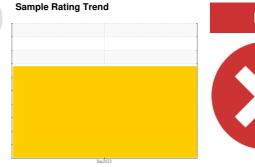
## **OIL ANALYSIS REPORT**

# Inland Iron - 888041 **AG195**

Component

**Hydraulic System** 

**AW HYDRAULIC OIL ISO 46 (--- GAL)** 





DIAGNOSIS

### Recommendation

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

#### Wear

Iron and lead ppm levels are noted.

### Contamination

Particles >6µm are severely high. Particles >4µm and oil cleanliness are severely high. Silicon ppm levels are notably high.

#### **Fluid Condition**

{not applicable}

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Batch #		Client Info		AG195		
Machine ID		Client Info		Sales		
Department		Client Info		Tote		
Sample From		Client Info		Initial		
Production Stage		Client Info		09/28/2023		
Sample Number		Client Info		E30000425		
Sample Date		Client Info		22 Sep 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				SEVERE		

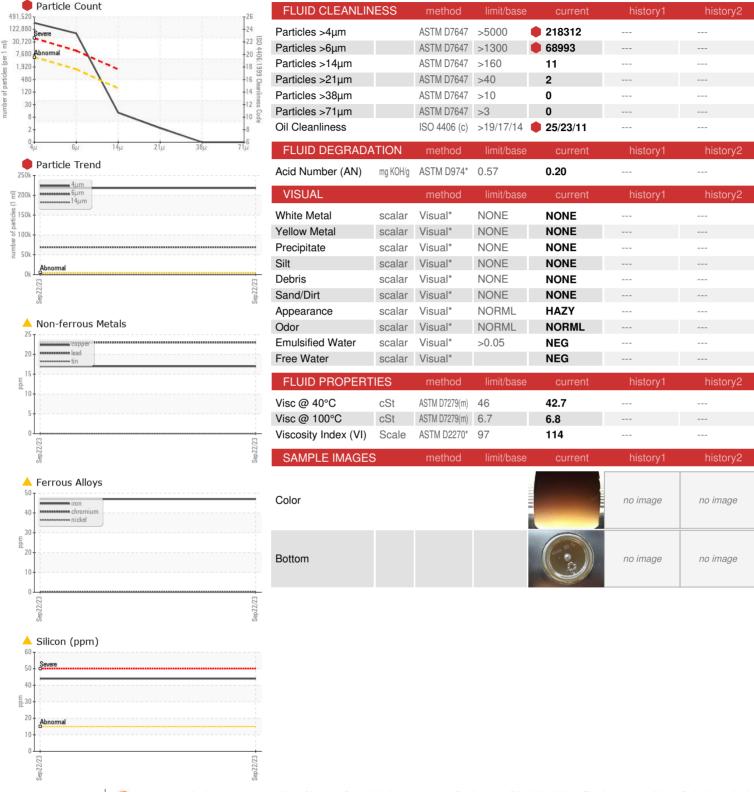
Sample Status				SEVENE		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>20	<u>47</u>		
Chromium	ppm	ASTM D5185(m)	>20	<1		
Nickel	ppm	ASTM D5185(m)	>20	<1		
Titanium	ppm	ASTM D5185(m)		2		
Silver	ppm	ASTM D5185(m)		<1		
Aluminum	ppm	ASTM D5185(m)	>20	8		
Lead	ppm	ASTM D5185(m)	>20	<u>^</u> 23		
Copper	ppm	ASTM D5185(m)	>20	17		
Tin	ppm	ASTM D5185(m)	>20	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	<1		
Barium	ppm	ASTM D5185(m)	5	<1		
Molyhdenum	nnm	ASTM D5185(m)	5	0		

ADDITIVES		memou	IIIIIII Dase	Current	HISTOLAL	HISTOLYZ
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)		<1		
Magnesium	ppm	ASTM D5185(m)	25	6		
Calcium	ppm	ASTM D5185(m)	200	47		
Phosphorus	ppm	ASTM D5185(m)	300	331		
Zinc	ppm	ASTM D5185(m)	370	305		
Sulfur	ppm	ASTM D5185(m)	2500	1864		
Lithium	ppm	ASTM D5185(m)		<1		

CONTAMINA	NTC	method	limit/base	current	history1	history2
CONTAMINANTS		memou	IIIIII/Dase	Current	TIISTOLAL	HISTOLYZ
Silicon	ppm	ASTM D5185(m)	>15	<u> </u>		
Sodium	ppm	ASTM D5185(m)		1		
Potassium	ppm	ASTM D5185(m)	>20	2		
Water	%	ASTM D6304*	>0.05	0.006		
ppm Water	ppm	ASTM D6304*	>500	62.3		



## OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

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

: E30000425

: 02586122 : 5655188

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 02 Oct 2023 Diagnosed

: 05 Oct 2023 Diagnostician : Tatiana Sorkina

Test Package : IND 2 (Additional Tests: KF, KV100, PQ, 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