

OIL ANALYSIS REPORT

Inland Iron and Metal - 888041 **AG199-R**

Component **Hydraulic System**

AW HYDRAULIC OIL ISO 46 (--- GAL)

Sample Rating Trend **NORMAL**

Recommendation

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

Wear

{not applicable}

Contamination

Silicon ppm levels are notably high.

Fluid Condition

{not applicable}

		-		Sep2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Batch #		Client Info		AG199-R		
Machine ID		Client Info		Sales		
Department		Client Info		Machine		
Sample From		Client Info		Final		
Production Stage		Client Info		09/29/2023		
Sample Number		Client Info		E30000445		
Sample Date		Client Info		29 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	9		
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)		<1		
Aluminum	ppm	ASTM D5185(m)	>20	<1		
Lead	ppm	ASTM D5185(m)	>20	9		
Copper	ppm	ASTM D5185(m)	>20	10		
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)		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		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	25	1		
Calcium	ppm	ASTM D5185(m)	200	7		
Phosphorus	ppm	ASTM D5185(m)	300	311		
Zinc	ppm	ASTM D5185(m)	370	263		
Sulfur	ppm	ASTM D5185(m)	2500	1762		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	20		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	<1		

Water

ppm Water

%

ppm

ASTM D6304* >0.05

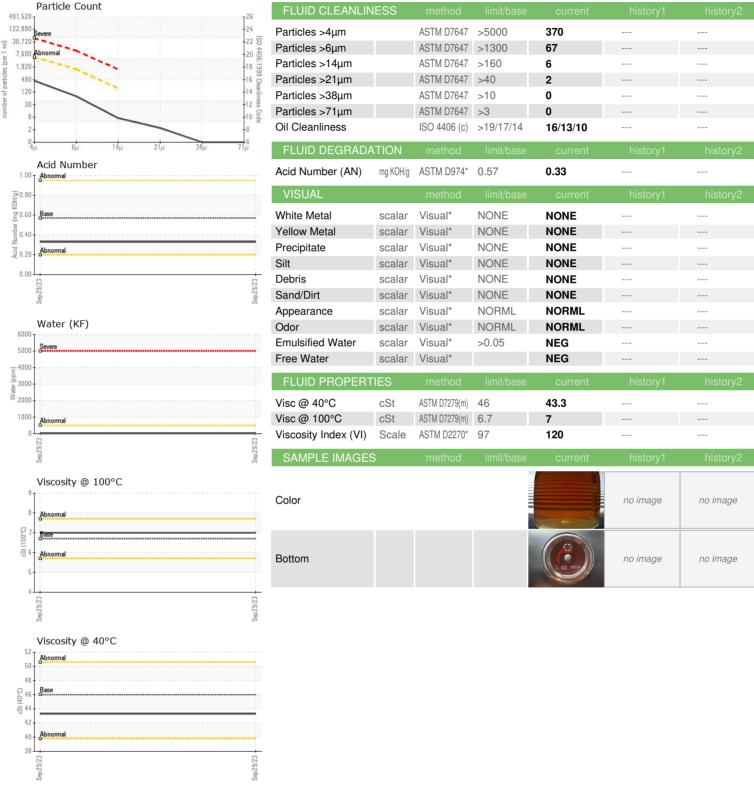
ASTM D6304* >500

0.001

14.1



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

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

: E30000445

+02586422: 5655488

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

: 05 Oct 2023 Diagnostician : Tatiana Sorkina

: 03 Oct 2023

Test Package : IND 2 (Additional Tests: KF, KV100, 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: Aylwin Lee aylwinlee@e360s.ca

T: (905)372-2251 F: (905)373-4950