

PROBLEM SUMMARY

Area
GFL 122 Arrow Road - C13100
 Machine Id
AG173
 Component
Hydraulic System
 Fluid
NOT GIVEN (--- GAL)

Sample Rating Trend

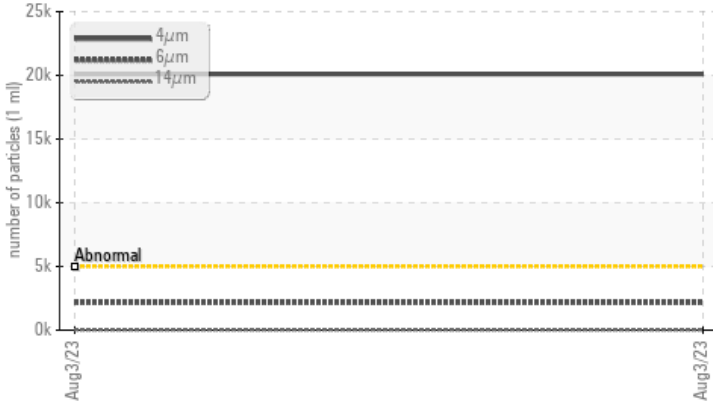


ISO



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

This is a baseline read-out on the submitted sample.
 (Customer Sample Comment: IND2-ICP KV AN KF)

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	---	---
Particles >4µm	ASTM D7647	>5000	▲ 20095	---	---
Particles >6µm	ASTM D7647	>1300	▲ 2162	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 22/18/12	---	---

Customer Id: CHECOB
 Sample No.: E30000191
 Lab Number: 02576360
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
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To change component or sample information:
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RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



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AG173
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Hydraulic System
 Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample. (Customer Sample Comment: IND2-ICP KV AN KF)

Wear

{not applicable}

Contamination

Particles >4µm and oil cleanliness are abnormally high. Particles >6µm are notably high.

Fluid Condition

{not applicable}

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	E30000191	---	---
Sample Date	Client Info	03 Aug 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)	>20	3	---	---
Chromium ppm ASTM D5185(m)	>20	<1	---	---
Nickel ppm ASTM D5185(m)	>20	0	---	---
Titanium ppm ASTM D5185(m)		0	---	---
Silver ppm ASTM D5185(m)		0	---	---
Aluminum ppm ASTM D5185(m)	>20	<1	---	---
Lead ppm ASTM D5185(m)	>20	0	---	---
Copper ppm ASTM D5185(m)	>20	3	---	---
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)		<1	---	---
Barium ppm ASTM D5185(m)		0	---	---
Molybdenum ppm ASTM D5185(m)		<1	---	---
Manganese ppm ASTM D5185(m)		0	---	---
Magnesium ppm ASTM D5185(m)		2	---	---
Calcium ppm ASTM D5185(m)		49	---	---
Phosphorus ppm ASTM D5185(m)		347	---	---
Zinc ppm ASTM D5185(m)		397	---	---
Sulfur ppm ASTM D5185(m)		777	---	---
Lithium ppm ASTM D5185(m)		<1	---	---

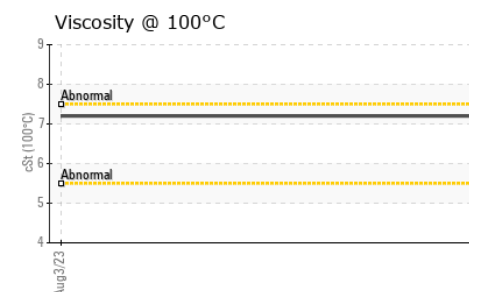
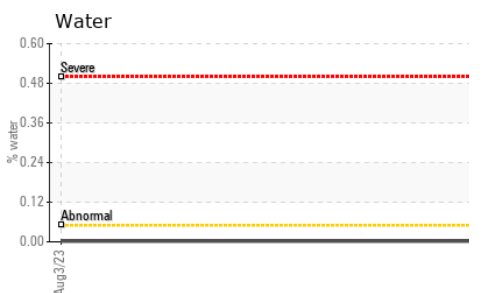
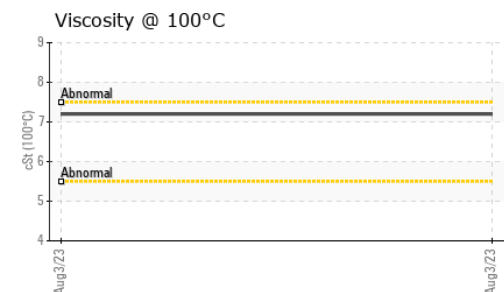
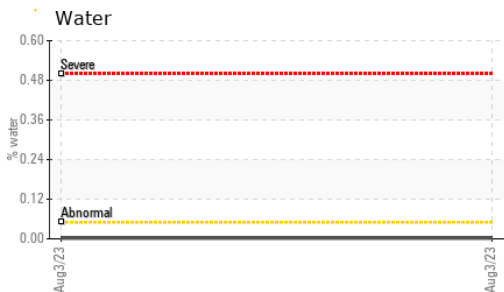
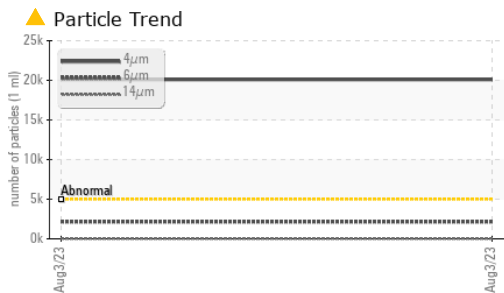
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>15	<1	---	---
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	19.2	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>5000	▲ 20095	---	---
Particles >6µm ASTM D7647	>1300	▲ 2162	---	---
Particles >14µm ASTM D7647	>160	27	---	---
Particles >21µm ASTM D7647	>40	5	---	---
Particles >38µm ASTM D7647	>10	1	---	---
Particles >71µm ASTM D7647	>3	0	---	---
Oil Cleanliness ISO 4406 (c)	>19/17/14	▲ 22/18/12	---	---

OIL ANALYSIS REPORT



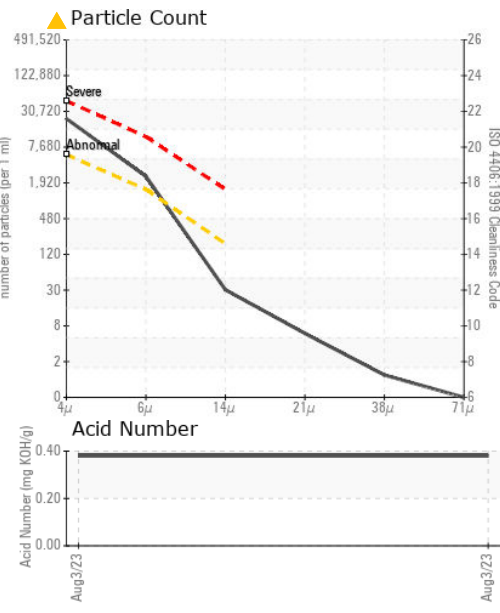
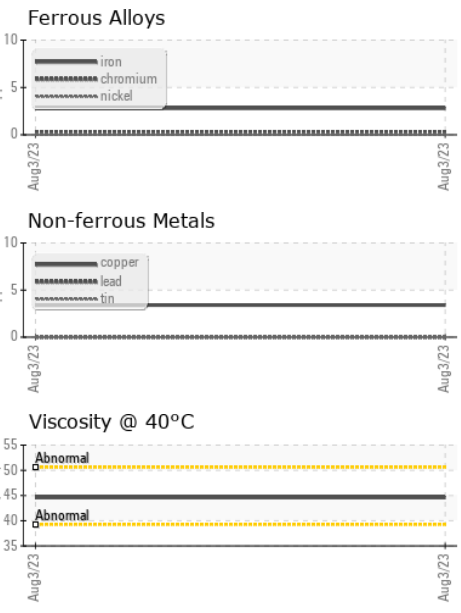
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.38	---	---

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	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.05	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		44.6	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		7.2	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		122	---	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	
Bottom				no image	no image	

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30000191 **Received** : 16 Aug 2023
Lab Number : **02576360** **Diagnosed** : 22 Aug 2023
Unique Number : 5629420 **Diagnostician** : Tatiana Sorkina
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.

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