



PROBLEM SUMMARY

Area
Chem-Ecol - 999999
 Machine Id
A2312063
 Component
Chain Case
 Fluid
CHEM-ECOL CHAIN OIL ALL SEASON (--- GAL)

Sample Rating Trend

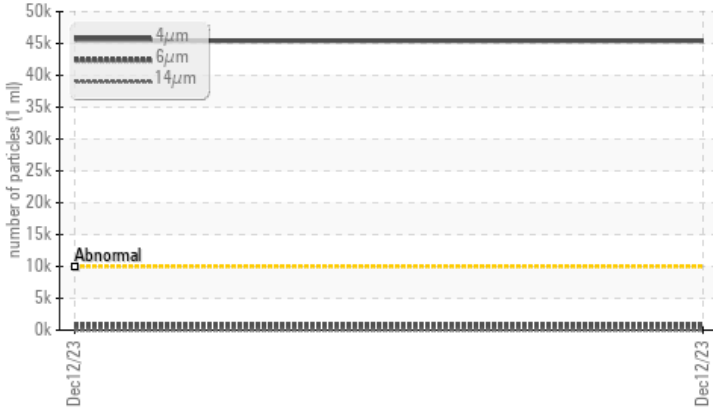


ISO



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	---	---
Particles >4µm	ASTM D7647	>10000	▲ 45419	---	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ 23/17/11	---	---

Customer Id: CHECOB
 Sample No.: E30000928
 Lab Number: 02603493
 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

Sample Rating Trend



ISO



Area
Chem-Ecol - 999999
 Machine Id
A2312063

Component
Chain Case
 Fluid
CHEM-ECOL CHAIN OIL ALL SEASON (--- 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

{not applicable}

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Batch #	Client Info		2956-A	---	---
Department	Client Info		Production	---	---
Sample From	Client Info		Machine	---	---
Production Stage	Client Info		Final	---	---
Sent to WC	Client Info		12/13/2023	---	---
Sample Number	Client Info		E30000928	---	---
Sample Date	Client Info		12 Dec 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
Iron	ppm	ASTM D5185(m) >150	34	---	---
Chromium	ppm	ASTM D5185(m) >10	0	---	---
Nickel	ppm	ASTM D5185(m) >10	3	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m)	<1	---	---
Aluminum	ppm	ASTM D5185(m) >25	3	---	---
Lead	ppm	ASTM D5185(m) >100	4	---	---
Copper	ppm	ASTM D5185(m) >50	18	---	---
Tin	ppm	ASTM D5185(m) >10	0	---	---
Antimony	ppm	ASTM D5185(m) >5	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

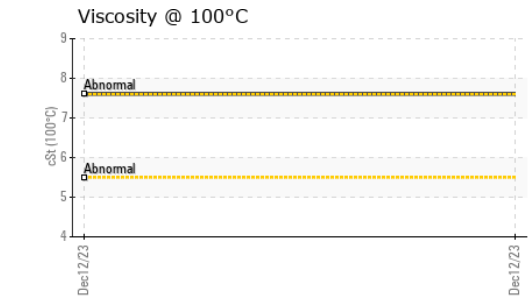
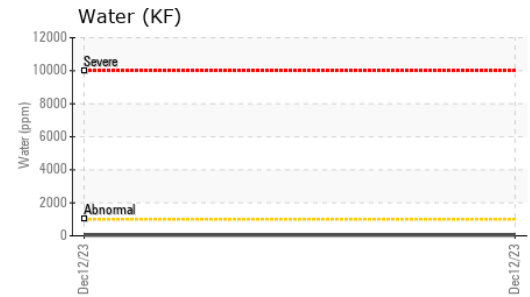
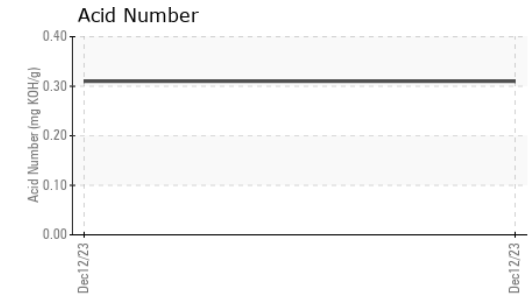
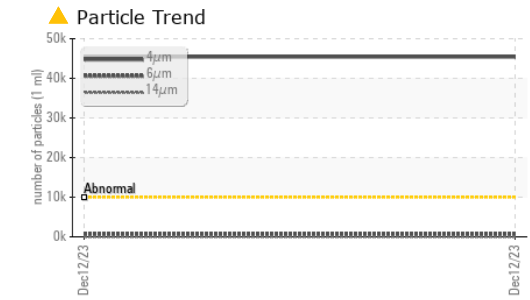
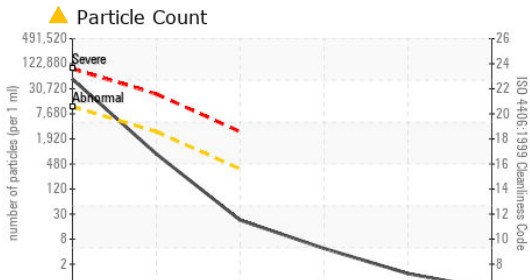
ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<1	---	---
Barium	ppm	ASTM D5185(m)	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	0	---	---
Manganese	ppm	ASTM D5185(m)	<1	---	---
Magnesium	ppm	ASTM D5185(m)	7	---	---
Calcium	ppm	ASTM D5185(m)	76	---	---
Phosphorus	ppm	ASTM D5185(m)	122	---	---
Zinc	ppm	ASTM D5185(m)	89	---	---
Sulfur	ppm	ASTM D5185(m)	2068	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	3	---	---
Sodium	ppm	ASTM D5185(m)	4	---	---
Potassium	ppm	ASTM D5185(m) >20	0	---	---
Water	%	ASTM D6304* >0.1	0.003	---	---
ppm Water	ppm	ASTM D6304* >1000	37	---	---

OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30000928 **Received** : 15 Dec 2023
Lab Number : **02603493** **Diagnosed** : 19 Dec 2023
Unique Number : 5696578 **Diagnostician** : Tatiana Sorkina
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

Environmental 360 Solutions Ltd.
 640 Victoria Street
 Cobourg, ON
 CA K9A 5H5
 Contact: Aylwin Lee
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 T: (905)372-2251
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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.

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	▲ 45419	---	---
Particles >6µm	ASTM D7647	>2500	734	---	---
Particles >14µm	ASTM D7647	>320	19	---	---
Particles >21µm	ASTM D7647	>80	4	---	---
Particles >38µm	ASTM D7647	>20	1	---	---
Particles >71µm	ASTM D7647	>4	0	---	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ 23/17/11	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*		0.31	---	---

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	NONE	---	---
Sand/Dirt	scalar Visual*	NONE	NONE	---	---
Appearance	scalar Visual*	NORML	NORML	---	---
Odor	scalar Visual*	NORML	NORML	---	---
Emulsified Water	scalar Visual*	>0.1	NEG	---	---
Free Water	scalar Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D7279(m)	46	46.8	---	---
Visc @ 100°C	cSt ASTM D7279(m)		7.6	---	---
Viscosity Index (VI)	Scale ASTM D2270*		128	---	---

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