

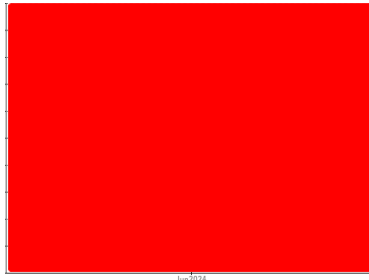
PROBLEM SUMMARY

Sample Rating Trend

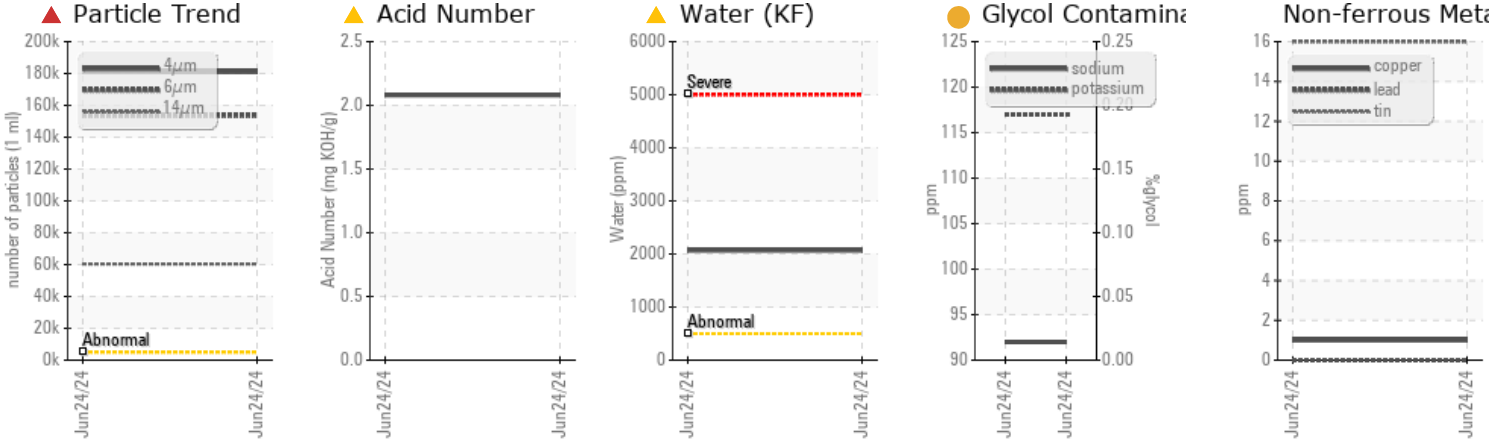
ISO



Area
Aalbers Tool & Mold - 888093
 Machine Id
RB038
 Component
Hydraulic System
 Fluid
ACTIVELUBE HYD ISO 32 (--- GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

The sample submitted is 64 times dirtier than the ISO dirt count recommendation of 19/16/14.
 The total Acid Number (TAN) is higher than the recommended level of 2.0

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Water	%	ASTM D6304*	>0.05	▲ 0.206	---	---
ppm Water	ppm	ASTM D6304*	>500	▲ 2068	---	---
Particles >4µm		ASTM D7647	>5000	▲ 181057	---	---
Particles >6µm		ASTM D7647	>640	▲ 153659	---	---
Particles >14µm		ASTM D7647	>160	▲ 60349	---	---
Particles >21µm		ASTM D7647	>40	▲ 22925	---	---
Particles >38µm		ASTM D7647	>10	▲ 2038	---	---
Particles >71µm		ASTM D7647	>3	▲ 217	---	---
Oil Cleanliness		ISO 4406 (c)	>19/16/14	▲ 25/24/23	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		▲ 2.08	---	---
White Metal	scalar	Visual*	NONE	▲ VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	▲ MODER	---	---
PrtFilter					no image	no image

Customer Id: CHECOB
 Sample No.: E30002524
 Lab Number: 02645461
 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

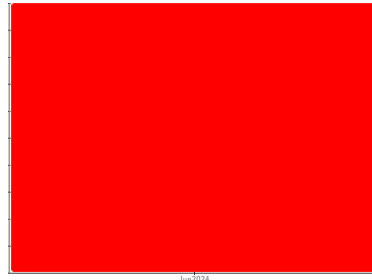
There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Area
Aalbers Tool & Mold - 888093
 Machine Id
RB038
 Component
Hydraulic System
 Fluid
ACTIVELUBE HYD ISO 32 (--- GAL)

DIAGNOSIS

- Recommendation**
 The sample submitted is 64 times dirtier than the ISO dirt count recommendation of 19/16/14. The total Acid Number (TAN) is higher than the recommended level of 2.0
- Contamination**
 Particles >71µm are severely high. Particles >14µm are severely high. Particles >21µm are severely high. Particles >38µm are severely high. Particles >6µm are severely high. Particles >4µm are severely high. Oil Cleanliness are severely high. Oil Cleanliness are severely high. Water and ppm water contamination levels are abnormal. Potassium ppm levels are notably high.
- Fluid Condition**
 Acid Number (AN) is abnormally high. Sodium ppm levels are notably high.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Machine ID	Client Info		105	---	---
Department	Client Info		Sales	---	---
Sample From	Client Info		Machine	---	---
Production Stage	Client Info		Initial	---	---
Sent to WC	Client Info		06/28/2024	---	---
Sample Number	Client Info		E30002524	---	---
Sample Date	Client Info		24 Jun 2024	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			SEVERE	---	---

WEAR METALS

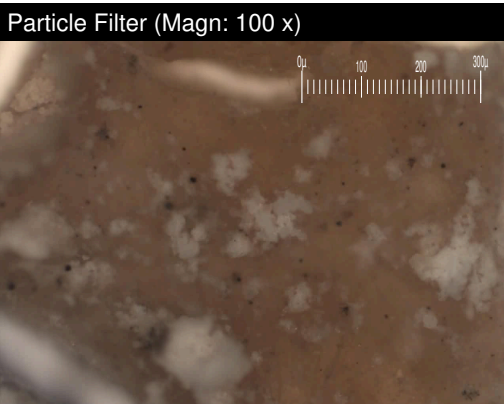
	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>20	5	---	---
Chromium	ppm	ASTM D5185(m)	>20	0	---	---
Nickel	ppm	ASTM D5185(m)	>20	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<1	---	---
Lead	ppm	ASTM D5185(m)	>20	0	---	---
Copper	ppm	ASTM D5185(m)	>20	1	---	---
Tin	ppm	ASTM D5185(m)	>20	16	---	---
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

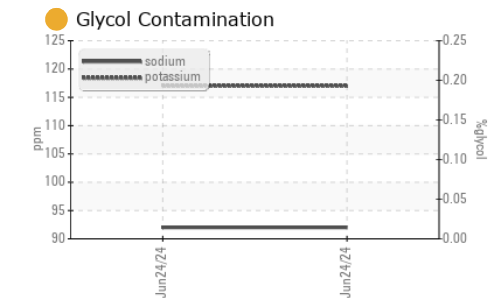
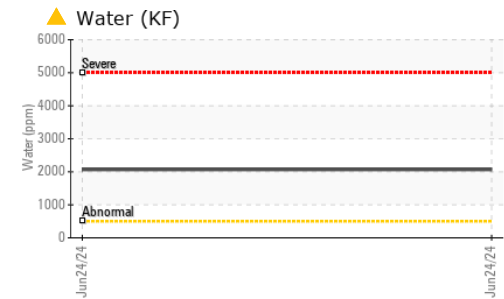
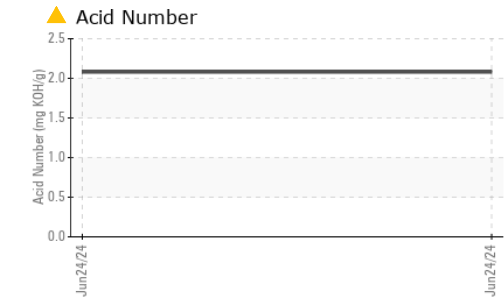
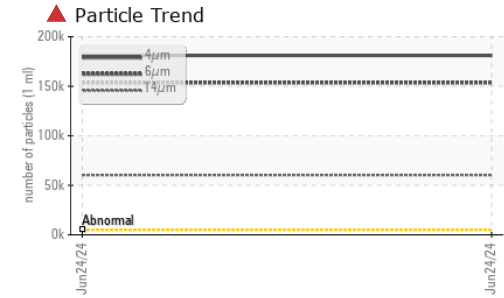
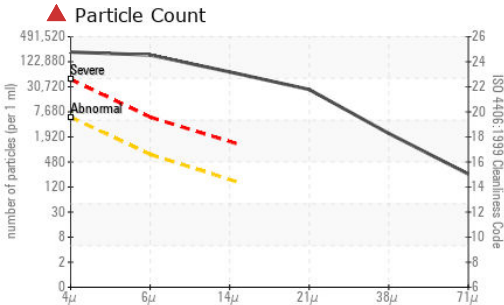
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		1	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		4	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		4	---	---
Calcium	ppm	ASTM D5185(m)		165	---	---
Phosphorus	ppm	ASTM D5185(m)		558	---	---
Zinc	ppm	ASTM D5185(m)		379	---	---
Sulfur	ppm	ASTM D5185(m)		559	---	---
Lithium	ppm	ASTM D5185(m)		<1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>15	4	---	---
Sodium	ppm	ASTM D5185(m)		92	---	---
Potassium	ppm	ASTM D5185(m)	>20	117	---	---
Water	%	ASTM D6304*	>0.05	0.206	---	---
ppm Water	ppm	ASTM D6304*	>500	2068	---	---



OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30002524
Lab Number : 02645461
Unique Number : 5803000
Test Package : IND 2 (Additional Tests: Bottom, BottomAnalysis, FilterPatch, KF, KV100, PrtFilter)

Environmental 360 Solutions Ltd.
 640 Victoria Street
 Cobourg, ON
 CA K9A 5H5
 Contact: Tatiana Sorkina
 tsorkina@e360s.ca

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	>5000	▲ 181057	---	---
Particles >6µm	ASTM D7647	>640	▲ 153659	---	---
Particles >14µm	ASTM D7647	>160	▲ 60349	---	---
Particles >21µm	ASTM D7647	>40	▲ 22925	---	---
Particles >38µm	ASTM D7647	>10	▲ 2038	---	---
Particles >71µm	ASTM D7647	>3	▲ 217	---	---
Oil Cleanliness	ISO 4406 (c)	>19/16/14	▲ 25/24/23	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	▲ 2.08	---	---

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	▲ VLITE	---
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	▲ MODER	---
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)	77.1	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	13.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	183	---	---

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