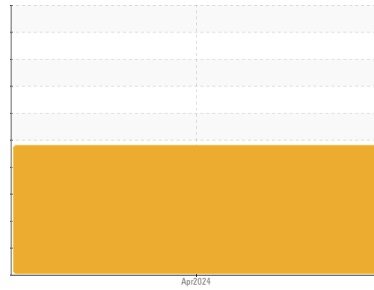


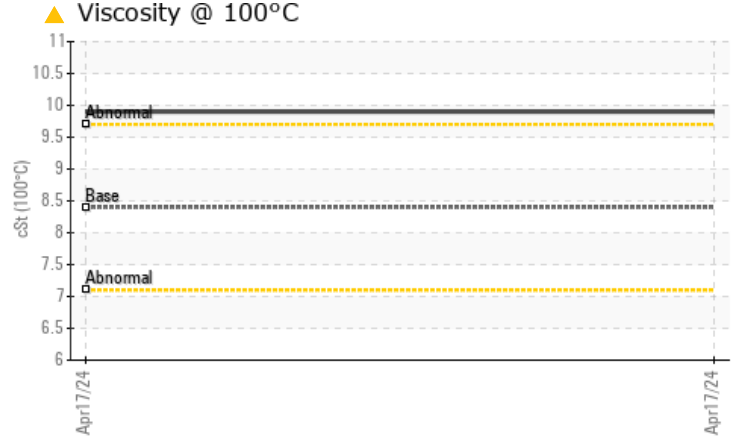
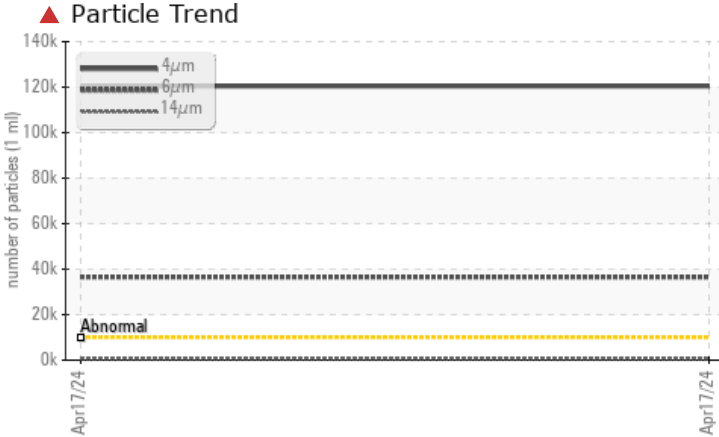
PROBLEM SUMMARY

Area
Royal Mat Inc. - 888043
 Machine Id
XB126
 Component
Hydraulic System
 Fluid
APRIL SUPERFLO CLEAR AW HYDRAULIC OIL AW 68 (--- GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY



RECOMMENDATION

The sample submitted is 32 times dirtier than the ISO dirt count recommendation of 19/16/14.

PROBLEMATIC TEST RESULTS

Sample Status	SEVERE	---	---
Particles >4µm	▲ 120413	---	---
Particles >6µm	▲ 36520	---	---
Particles >14µm	▲ 740	---	---
Oil Cleanliness	▲ 24/22/17	---	---
Visc @ 100°C	▲ 9.9	---	---
Viscosity Index (VI)	▲ 139	---	---

Customer Id: CHECOB
 Sample No.: E30001881
 Lab Number: 02630206
 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

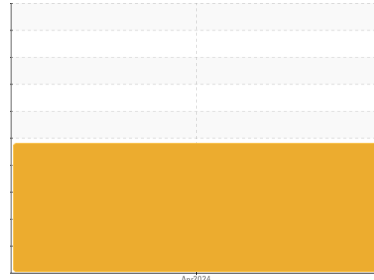
There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area

Royal Mat Inc. - 888043

Machine Id

XB126

Component

Hydraulic System

Fluid

APRIL SUPERFLO CLEAR AW HYDRAULIC OIL AW 68 (--- GAL)

DIAGNOSIS

▲ Recommendation

The sample submitted is 32 times dirtier than the ISO dirt count recommendation of 19/16/14.

▲ Contamination

Particles >6µm are severely high. Particles >4µm are severely high. Oil Cleanliness are severely high. Particles >14µm are abnormally high.

▲ Fluid Condition

Visc @ 100°C is abnormally high. Viscosity Index (VI) is abnormally high.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Machine ID	Client Info		Presse Tapis	---	---
Department	Client Info		Sales	---	---
Sample From	Client Info		Machine	---	---
Production Stage	Client Info		Initial	---	---
Sent to WC	Client Info		04/17/2024	---	---
Sample Number	Client Info		E30001881	---	---
Sample Date	Client Info		17 Apr 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	2	---	---
Chromium	ppm	ASTM D5185(m) >20	0	---	---
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	<1	---	---
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	---	---

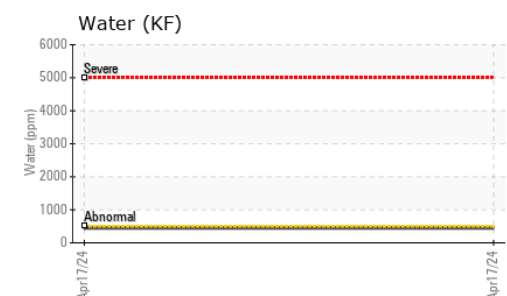
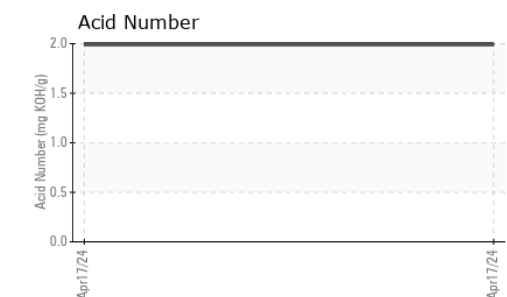
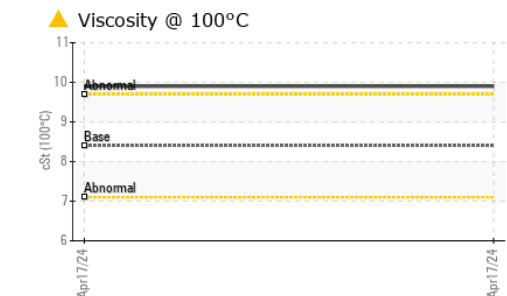
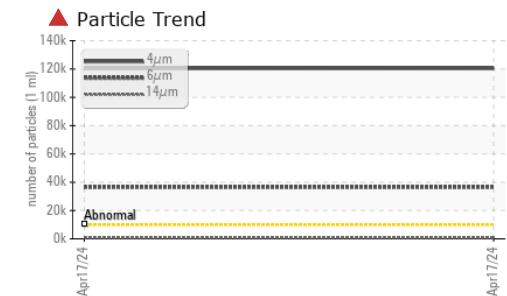
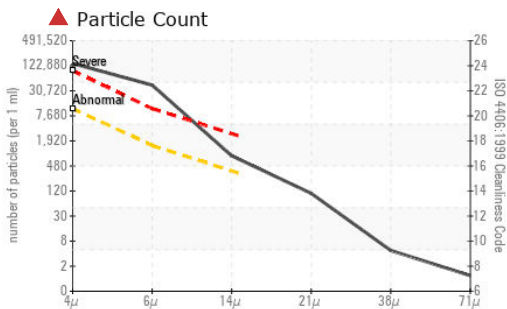
ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	48	---	---
Barium	ppm	ASTM D5185(m)	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	32	---	---
Manganese	ppm	ASTM D5185(m)	0	---	---
Magnesium	ppm	ASTM D5185(m)	468	---	---
Calcium	ppm	ASTM D5185(m)	1723	---	---
Phosphorus	ppm	ASTM D5185(m)	1088	---	---
Zinc	ppm	ASTM D5185(m)	1241	---	---
Sulfur	ppm	ASTM D5185(m)	3953	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	7	---	---
Sodium	ppm	ASTM D5185(m)	4	---	---
Potassium	ppm	ASTM D5185(m) >20	0	---	---
Water	%	ASTM D6304* >0.05	0.044	---	---
ppm Water	ppm	ASTM D6304* >500	447	---	---

OIL ANALYSIS REPORT



FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	▲ 120413	---	---
Particles >6µm	ASTM D7647	>1300	▲ 36520	---	---
Particles >14µm	ASTM D7647	>320	▲ 740	---	---
Particles >21µm	ASTM D7647	>80	93	---	---
Particles >38µm	ASTM D7647	>20	4	---	---
Particles >71µm	ASTM D7647	>4	1	---	---
Oil Cleanliness	ISO 4406 (c)	>20/17/15	▲ 24/22/17	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	1.99	---	---

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	---	---
Precipitate	scalar	Visual*	NONE	---	---
Silt	scalar	Visual*	NONE	---	---
Debris	scalar	Visual*	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	---	---
Appearance	scalar	Visual*	NORML	---	---
Odor	scalar	Visual*	NORML	---	---
Emulsified Water	scalar	Visual*	>0.05	---	---
Free Water	scalar	Visual*	NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	68	63.9	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.4	9.9	---
Viscosity Index (VI)	Scale	ASTM D2270*	90	139	---

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



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30001881
Lab Number : 02630206
Unique Number : 5763338
Test Package : IND 2 (Additional Tests: KF, KV100, VI)

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 Contact: Tatiana Sorkina
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 F: (905)373-4950

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.