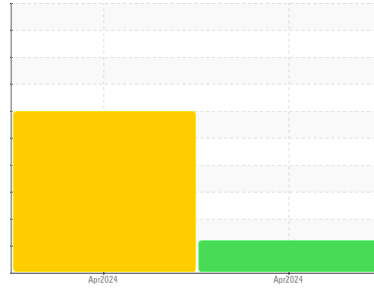




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id

DERRICK SCOTT

Component

Hydraulic System

Fluid

KUBOTA PREMIUM UDT (--- GAL)

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0875975	WC0875971	---
Sample Date	Client Info			17 Apr 2024	17 Apr 2024	---
Machine Age	hrs	Client Info		870	870	---
Oil Age	hrs	Client Info		4	4	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				ABNORMAL	SEVERE	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	3	5	---
Chromium	ppm	ASTM D5185(m)	>10	0	0	---
Nickel	ppm	ASTM D5185(m)	>10	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>10	0	<1	---
Lead	ppm	ASTM D5185(m)	>10	<1	3	---
Copper	ppm	ASTM D5185(m)	>75	4	6	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Antimony	ppm	ASTM D5185(m)		0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

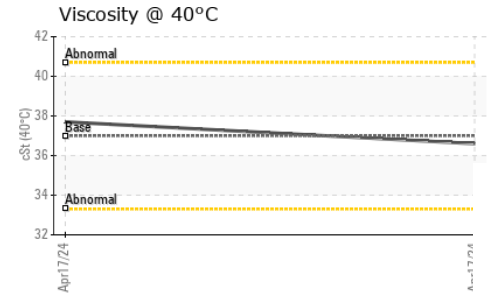
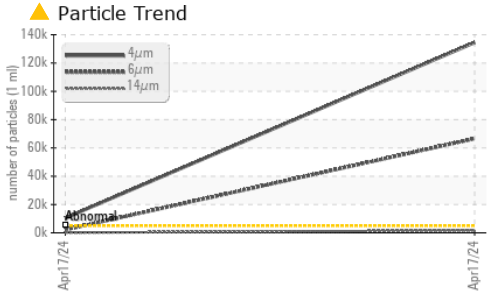
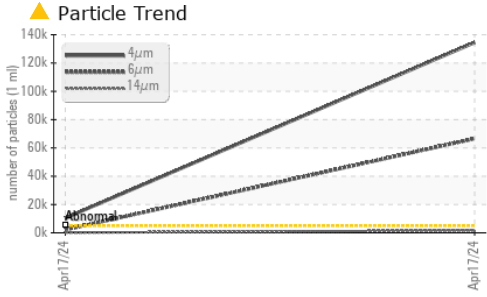
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		6	5	---
Barium	ppm	ASTM D5185(m)		<1	1	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)		10	10	---
Calcium	ppm	ASTM D5185(m)	3300	2652	2599	---
Phosphorus	ppm	ASTM D5185(m)	900	1078	1039	---
Zinc	ppm	ASTM D5185(m)	1122	1320	1282	---
Sulfur	ppm	ASTM D5185(m)	2900	3263	3150	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	1	1	---
Sodium	ppm	ASTM D5185(m)		6	3	---
Potassium	ppm	ASTM D5185(m)	>20	6	1	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ 10430	▲ 134516	---
Particles >6µm		ASTM D7647	>1300	● 2166	▲ 66586	---
Particles >14µm		ASTM D7647	>160	104	▲ 1635	---
Particles >21µm		ASTM D7647	>40	21	▲ 213	---
Particles >38µm		ASTM D7647	>10	2	6	---
Particles >71µm		ASTM D7647	>3	1	1	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 21/18/14	▲ 24/23/18	---



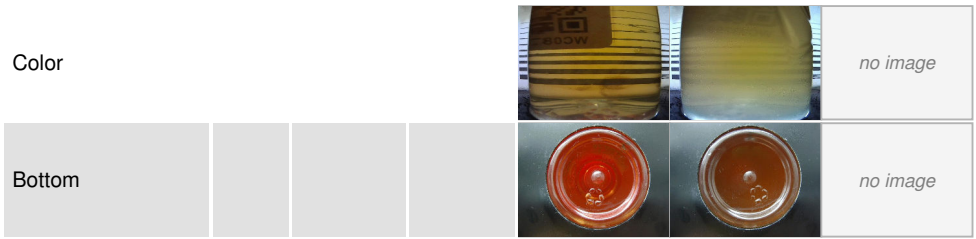
OIL ANALYSIS REPORT



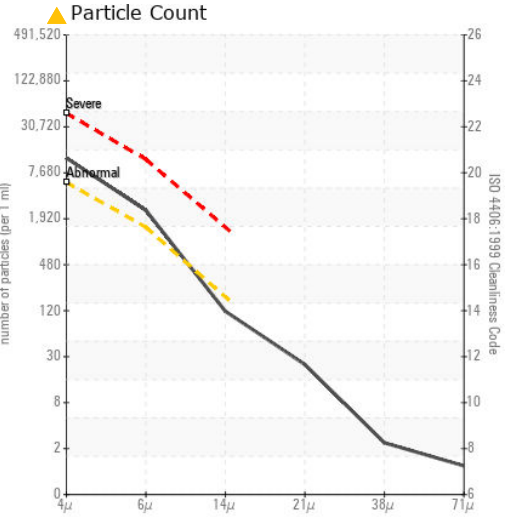
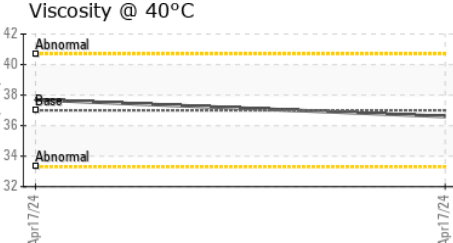
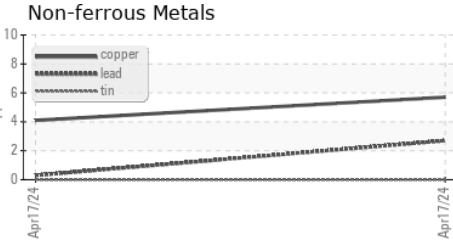
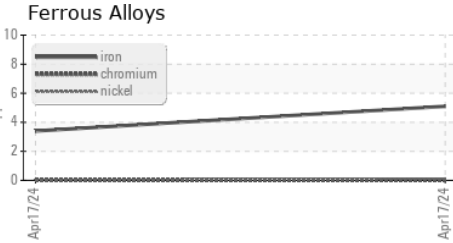
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	37.0	36.6	37.7

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0875975 **Received** : 19 Apr 2024
Lab Number : **02630266** **Tested** : 22 Apr 2024
Unique Number : 5763398 **Diagnosed** : 22 Apr 2024 - Wes Davis
Test Package : MOB 2

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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.