



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
DERRICK SCOTT
 Component
Hydraulic System
 Fluid
KUBOTA PREMIUM UDT (--- GAL)

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.

Test	UOM	Method	Limit/Abn	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	---
Filter Age	hrs	Client Info		4	4	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	SEVERE	---

WEAR

All component wear rates are normal.

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	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

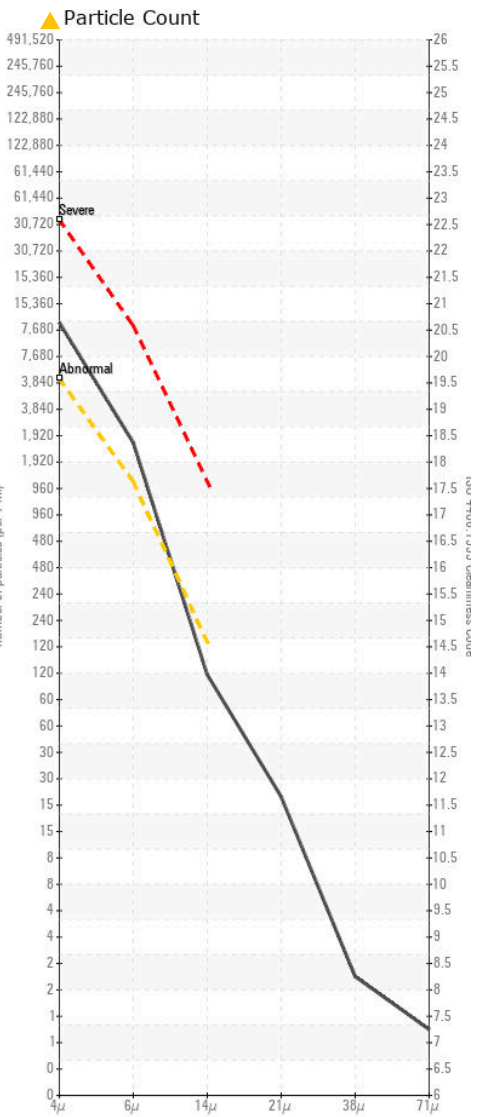
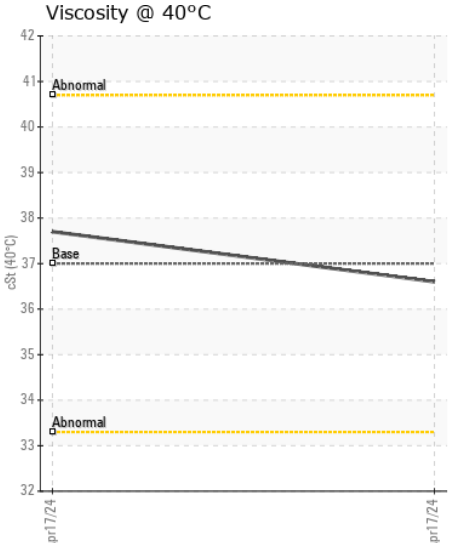
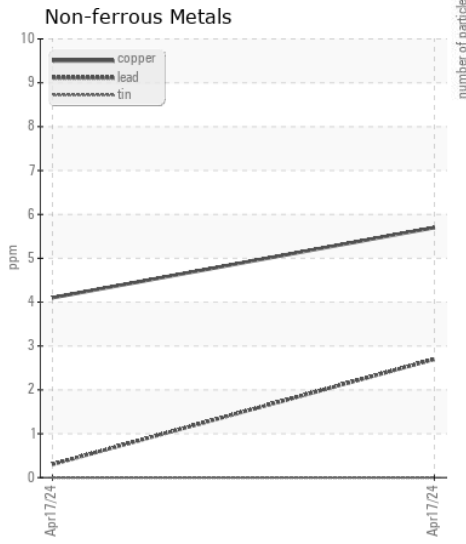
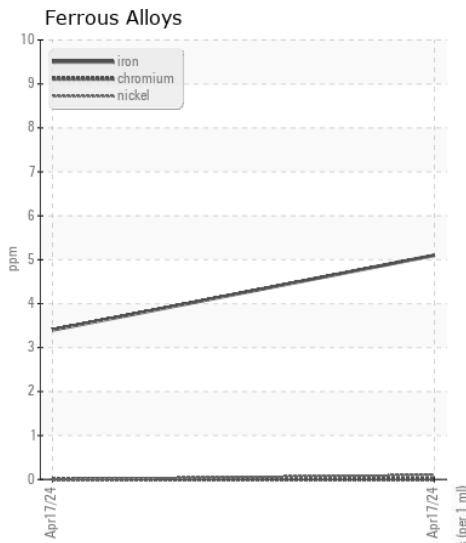
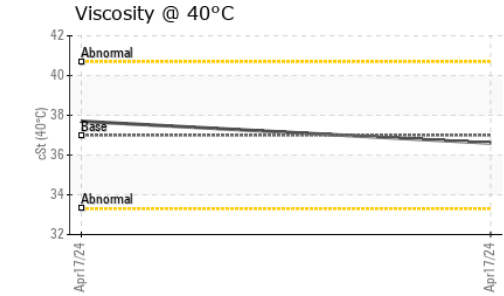
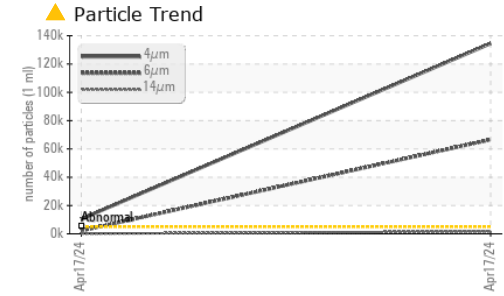
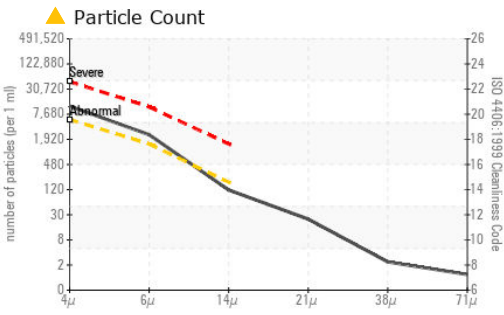
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185(m)	>20	1	1	---
Potassium	ppm	ASTM D5185(m)	>20	6	1	---
Water		WC Method	>0.1	NEG	NEG	---
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	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		6	3	---
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	---
Visc @ 40°C	cSt	ASTM D7279(m)	37.0	36.6	37.7	---



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.