



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
KUBOTA E241
Component
Hydraulic System
Fluid
KUBOTA Super UDT2 Syn Universal Trans-Hyd (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0219618	JR0171681	---
Sample Date		Client Info		20 Jun 2024	26 Jun 2023	---
Machine Age	hrs	Client Info		246	199	---
Oil Age	hrs	Client Info		200	199	---
Filter Age	hrs	Client Info		200	199	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		12	29	---
Iron	ppm	ASTM D5185m	>20	2	▲ 25	---
Chromium	ppm	ASTM D5185m	>10	0	1	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	2	6	---
Lead	ppm	ASTM D5185m	>10	0	1	---
Copper	ppm	ASTM D5185m	>75	16	1	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

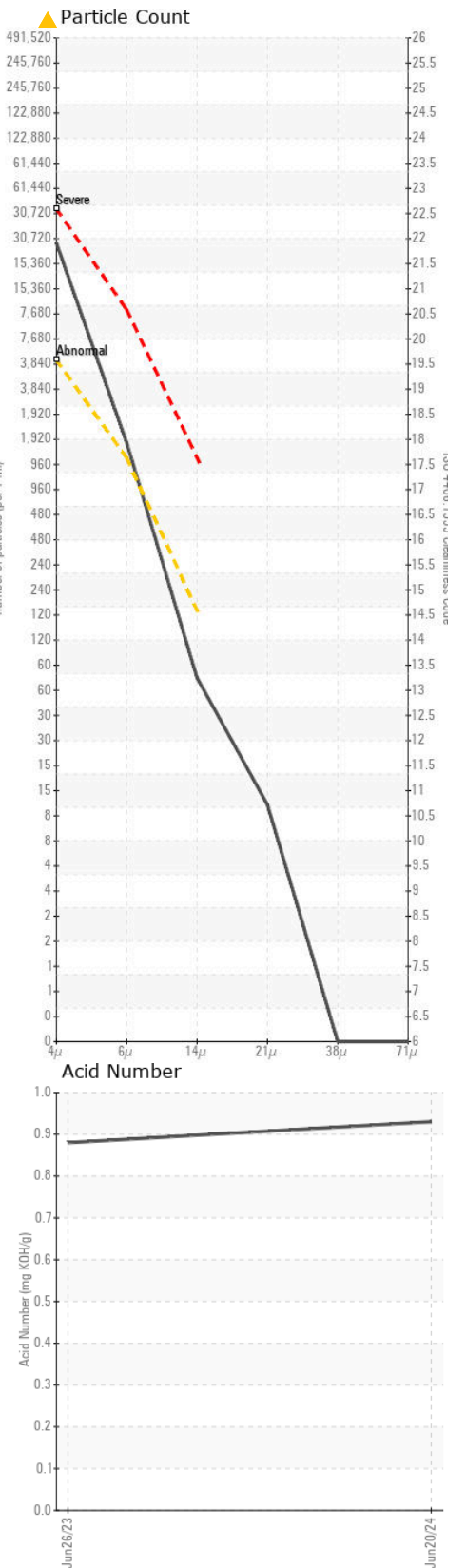
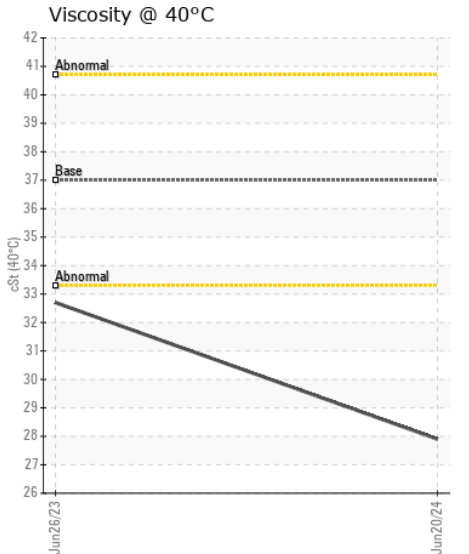
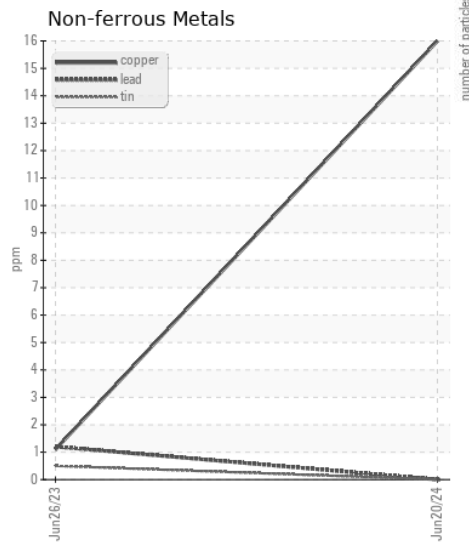
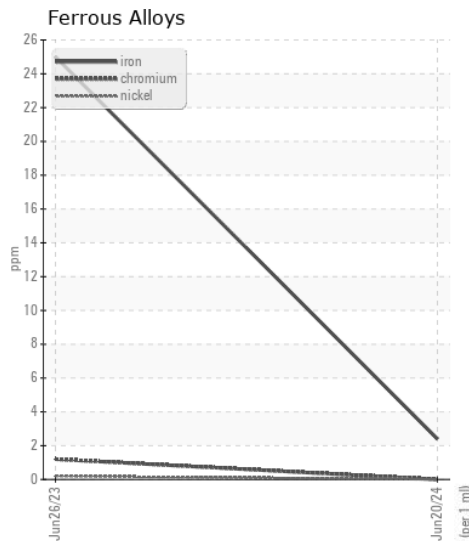
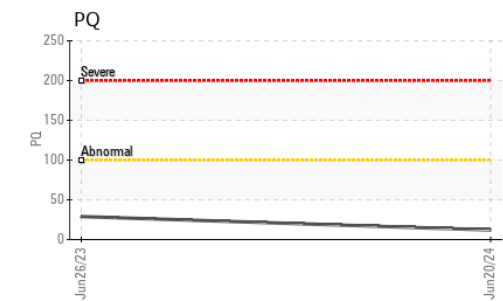
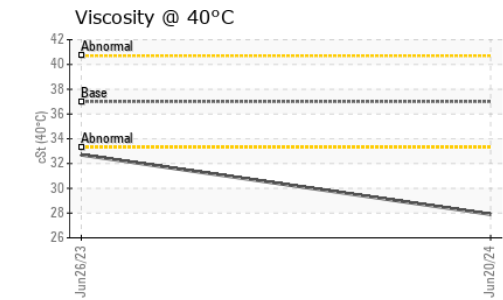
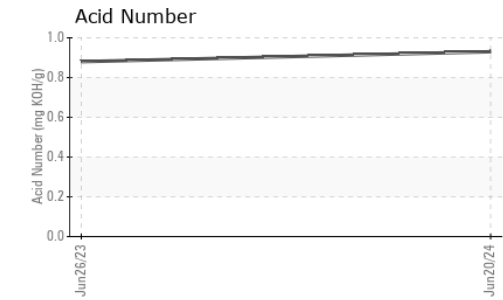
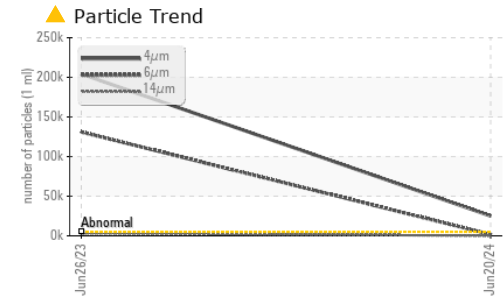
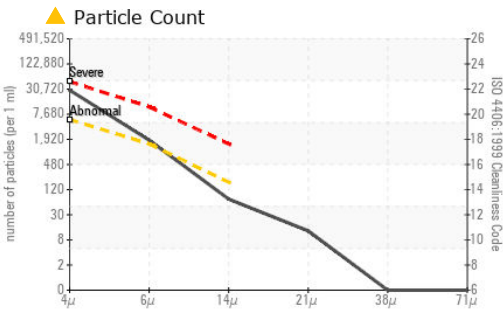
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	6	▲ 35	---
Potassium	ppm	ASTM D5185m	>20	1	3	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	▲ 25083	▲ 204290	---
Particles >6µm		ASTM D7647	>1300	● 1604	▲ 131066	---
Particles >14µm		ASTM D7647	>160	63	▲ 3206	---
Particles >21µm		ASTM D7647	>40	11	▲ 129	---
Particles >38µm		ASTM D7647	>10	0	1	---
Particles >71µm		ASTM D7647	>3	0	1	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 22/18/13	▲ 25/24/19	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
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 AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Sodium	ppm	ASTM D5185m		9	10	---
Boron	ppm	ASTM D5185m		0	2	---
Barium	ppm	ASTM D5185m		4	6	---
Molybdenum	ppm	ASTM D5185m		0	8	---
Manganese	ppm	ASTM D5185m		2	5	---
Magnesium	ppm	ASTM D5185m		9	27	---
Calcium	ppm	ASTM D5185m		3415	3222	---
Phosphorus	ppm	ASTM D5185m		714	661	---
Zinc	ppm	ASTM D5185m	1122	821	818	---
Sulfur	ppm	ASTM D5185m		2962	2860	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.93	0.88	---
Visc @ 40°C	cSt	ASTM D445	37	27.9	32.7	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0219618 **Received** : 02 Jul 2024
Lab Number : 06226111 **Tested** : 03 Jul 2024
Unique Number : 11109604 **Diagnosed** : 05 Jul 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: PQ)

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To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)