



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**KUBOTA SUPER UDTZ UNIV TRANS - TO60002372**

Component  
**New (Unused) Oil**  
Fluid  
**{not provided} (--- GAL)**

**RECOMMENDATION**

This is a baseline read-out on the submitted sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>TO60002372</b>	---	---
Sample Date		Client Info		<b>03 Apr 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Filtered</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

**WEAR**

Iron	ppm	ASTM D5185m	>5	<b>2</b>	---	---
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>5	<b>1</b>	---	---
Lead	ppm	ASTM D5185m	>5	<b>1</b>	---	---
Copper	ppm	ASTM D5185m	>5	<b>1</b>	---	---
Tin	ppm	ASTM D5185m	>5	<b>1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

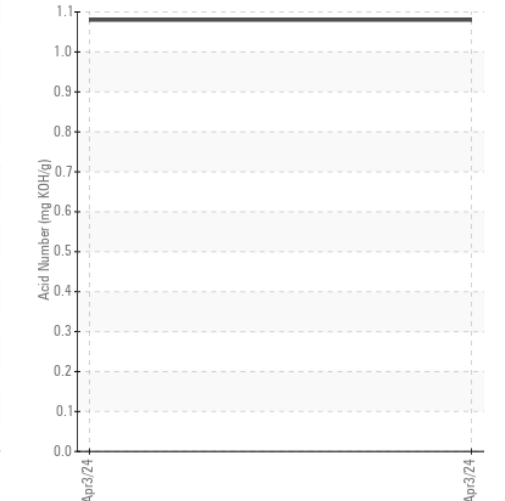
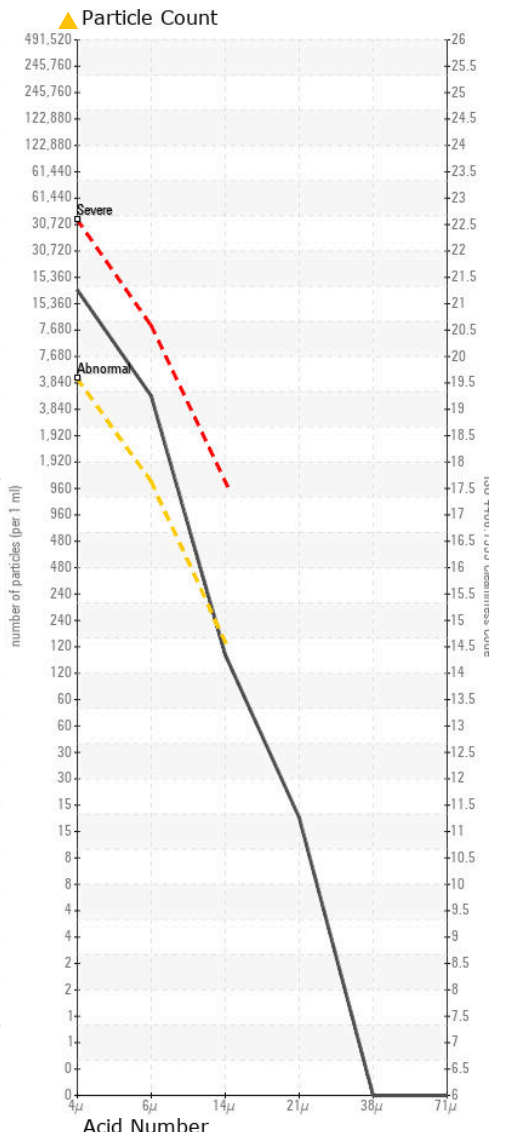
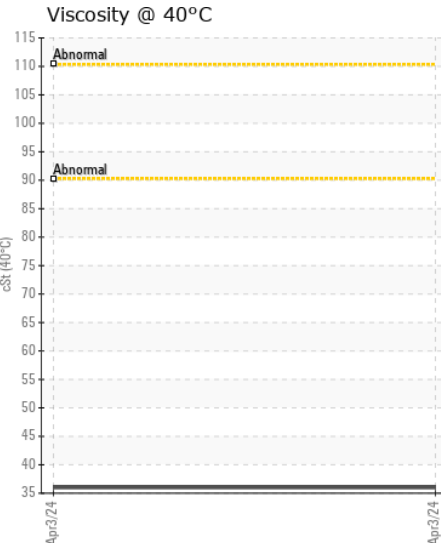
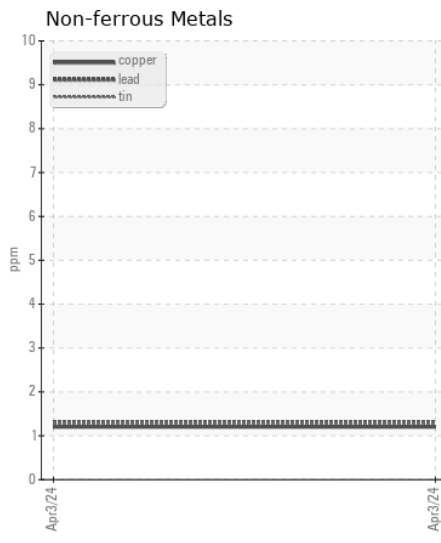
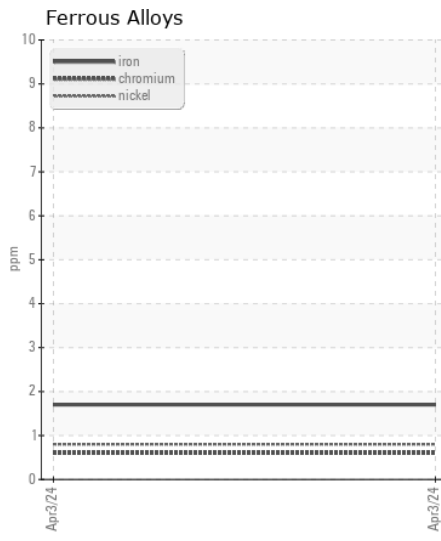
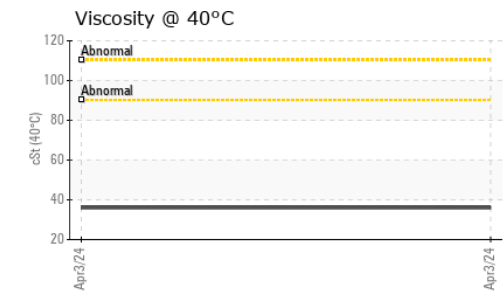
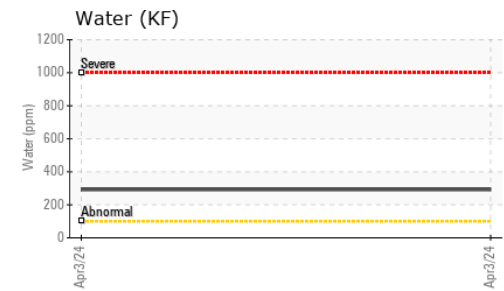
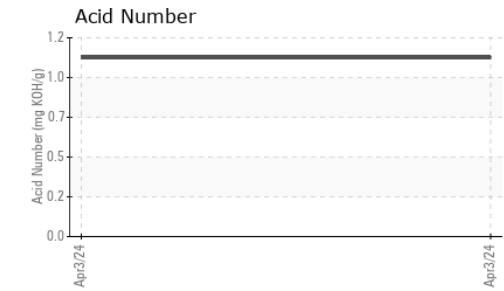
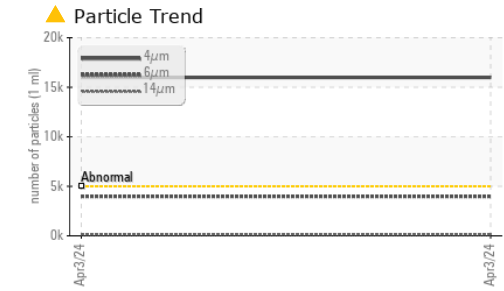
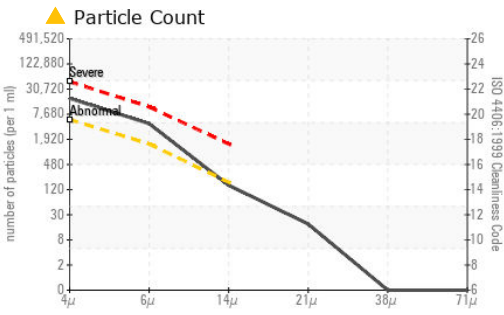
**CONTAMINATION**

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

Silicon	ppm	ASTM D5185m	>15	<b>6</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	---	---
Water	%	ASTM D6304		<b>0.029</b>	---	---
ppm Water	ppm	ASTM D6304		<b>292</b>	---	---
Particles >4µm		ASTM D7647	>5000	<b>▲ 15985</b>	---	---
Particles >6µm		ASTM D7647	>1300	<b>▲ 3979</b>	---	---
Particles >14µm		ASTM D7647	>160	<b>135</b>	---	---
Particles >21µm		ASTM D7647	>40	<b>16</b>	---	---
Particles >38µm		ASTM D7647	>10	<b>0</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 21/19/14</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual		<b>NEG</b>	---	---

**FLUID CONDITION**

Sodium	ppm	ASTM D5185m		<b>9</b>	---	---
Boron	ppm	ASTM D5185m		<b>0</b>	---	---
Barium	ppm	ASTM D5185m		<b>1</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>3</b>	---	---
Manganese	ppm	ASTM D5185m		<b>1</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>8</b>	---	---
Calcium	ppm	ASTM D5185m		<b>3382</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>758</b>	---	---
Zinc	ppm	ASTM D5185m		<b>833</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>2768</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.08</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>36.0</b>	---	---
Visc @ 100°C	cSt	ASTM D445		<b>7.8</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270		<b>195</b>	---	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO60002372  
**Lab Number** : 06146583  
**Unique Number** : 10976661  
**Test Package** : IND 2 ( Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, VI )

**Received** : 11 Apr 2024  
**Tested** : 16 Apr 2024  
**Diagnosed** : 16 Apr 2024 - Jonathan Hester

**GREAT PLAINS MFG**  
 3861 S 9TH ST  
 SALINA, KS  
 US 67401

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: CRAIG NEWCOMER

\* - 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)

T:  
F: