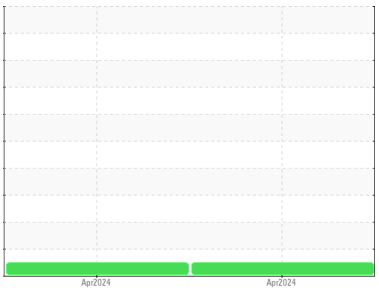
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
KUBOTA SUPER UDTZ UNIV TRANS
Component
Transmission
Fluid
{not provided} (--- GAL)

DIAGNOSIS

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**TO60002374**	TO60002373	---
Sample Date		Client Info		**04 Apr 2024**	03 Apr 2024	---
Machine Age	hrs	Client Info		**0**	0	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**Filtered**	N/A	---
Sample Status				**NORMAL**	NORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	**2**	2	---
Chromium	ppm	ASTM D5185m	>10	**<1**	<1	---
Nickel	ppm	ASTM D5185m		**<1**	<1	---
Titanium	ppm	ASTM D5185m		**<1**	<1	---
Silver	ppm	ASTM D5185m		**0**	0	---
Aluminum	ppm	ASTM D5185m	>50	**1**	1	---
Lead	ppm	ASTM D5185m	>50	**1**	1	---
Copper	ppm	ASTM D5185m	>200	**1**	1	---
Tin	ppm	ASTM D5185m	>10	**1**	1	---
Vanadium	ppm	ASTM D5185m		**<1**	<1	---
Cadmium	ppm	ASTM D5185m		**1**	1	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	0	---
Barium	ppm	ASTM D5185m		**1**	1	---
Molybdenum	ppm	ASTM D5185m		**2**	2	---
Manganese	ppm	ASTM D5185m		**1**	1	---
Magnesium	ppm	ASTM D5185m		**8**	8	---
Calcium	ppm	ASTM D5185m		**3399**	3385	---
Phosphorus	ppm	ASTM D5185m		**730**	730	---
Zinc	ppm	ASTM D5185m		**820**	817	---
Sulfur	ppm	ASTM D5185m		**2561**	2616	---

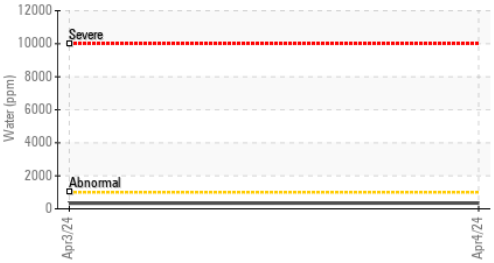
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**6**	7	---
Sodium	ppm	ASTM D5185m		**9**	9	---
Potassium	ppm	ASTM D5185m	>20	**2**	2	---
Water	%	ASTM D6304	>0.1	**0.034**	0.033	---
ppm Water	ppm	ASTM D6304	>1000	**349**	338	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	**7166**	2780	---
Particles >6µm		ASTM D7647	>2500	**935**	705	---
Particles >14µm		ASTM D7647	>320	**62**	61	---
Particles >21µm		ASTM D7647	>80	**15**	13	---
Particles >38µm		ASTM D7647	>20	**1**	1	---
Particles >71µm		ASTM D7647	>4	**0**	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	**20/17/13**	19/17/13	---

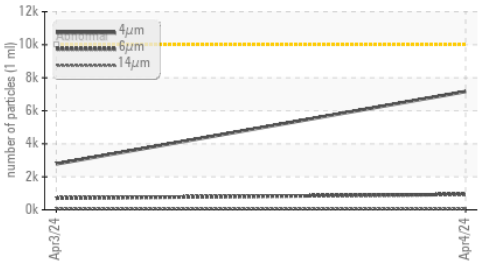
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**1.06**	1.08	---

OIL ANALYSIS REPORT

Water (KF)

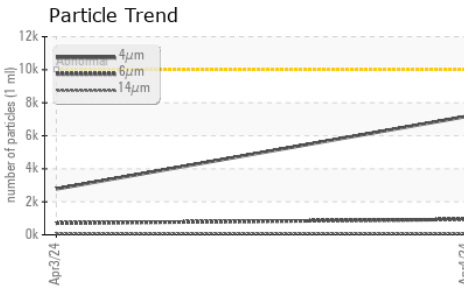


Particle Trend



Viscosity @ 100°C

Particle Trend



Viscosity @ 100°C

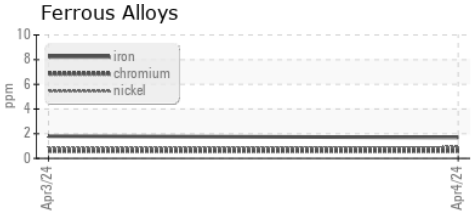
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**36.4**	37.1	---
Visc @ 100°C	cSt	ASTM D445		**7.8**	7.7	---
Viscosity Index (VI)	Scale	ASTM D2270		**192**	183	---

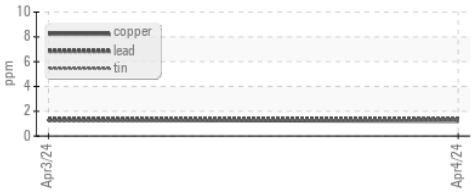
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					*no image*
Bottom					*no image*

GRAPHS

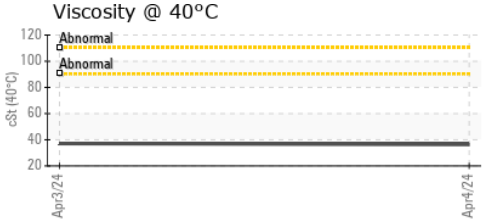
Ferrous Alloys



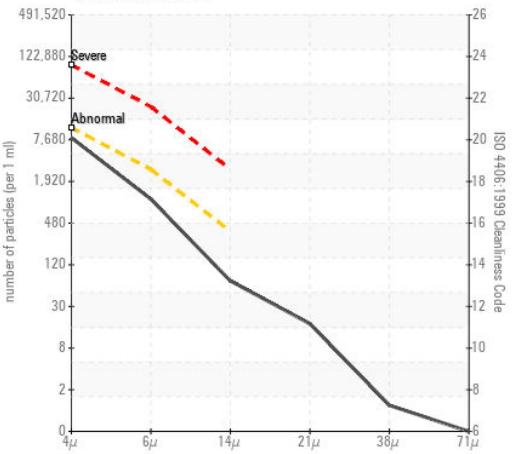
Non-ferrous Metals



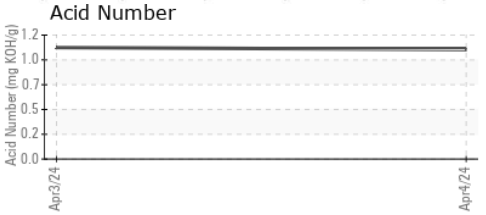
Viscosity @ 40°C



Particle Count



Acid Number



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60002374 **Received** : 11 Apr 2024
Lab Number : 06146585 **Tested** : 16 Apr 2024
Unique Number : 10976663 **Diagnosed** : 16 Apr 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KF, KV100, PQ, PrtCount, VI)

Certificate L2367

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)

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