



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id  
**KBA 7203**  
 Component  
**Gearbox**  
 Fluid  
**{not provided} (--- GAL)**

## RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is ISO 100 Gear Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.

## WEAR

All component wear rates are normal.

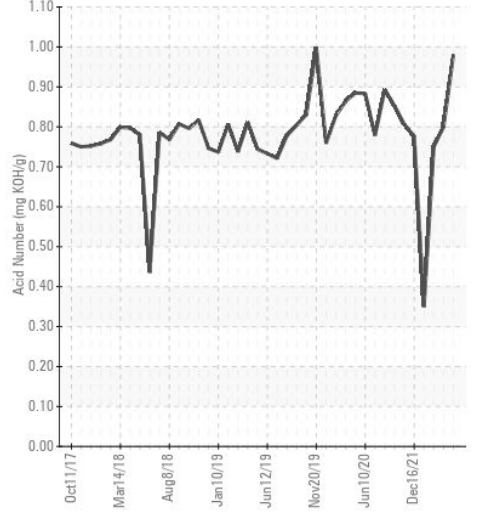
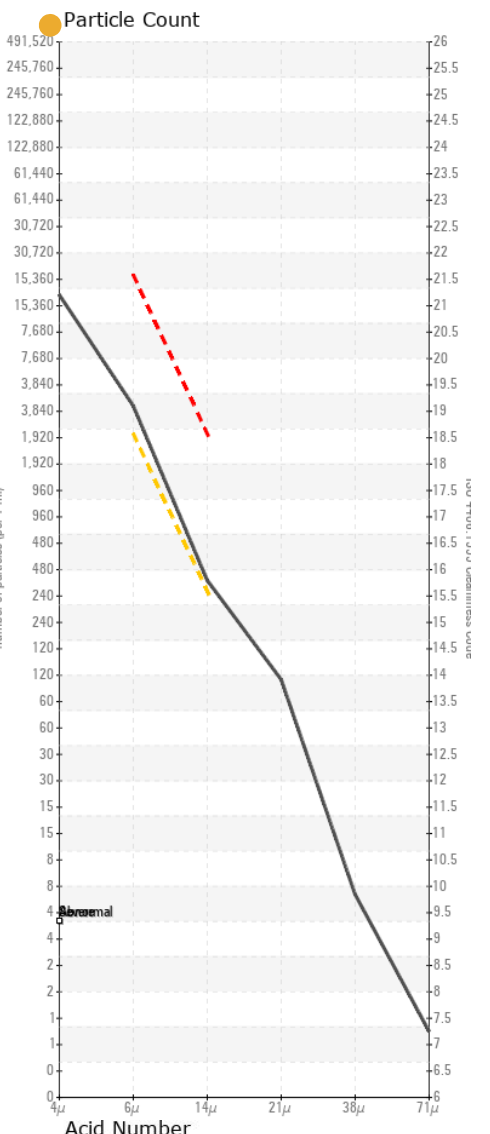
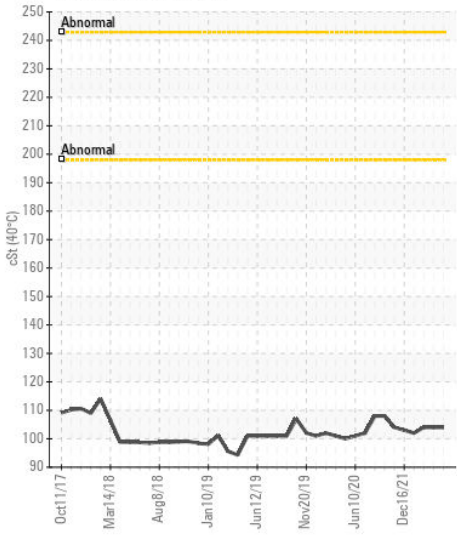
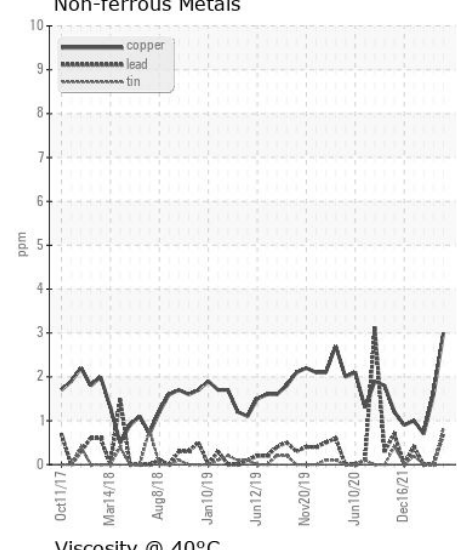
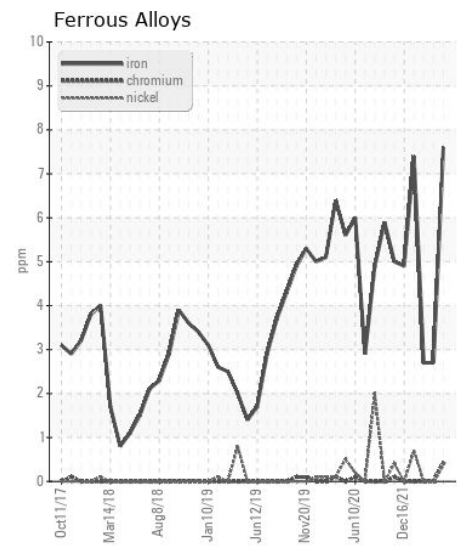
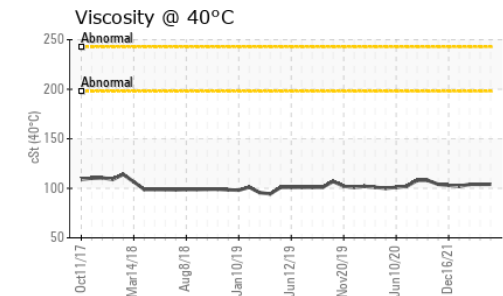
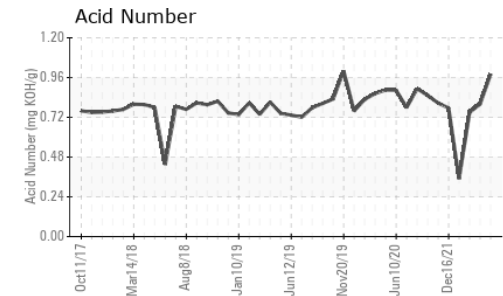
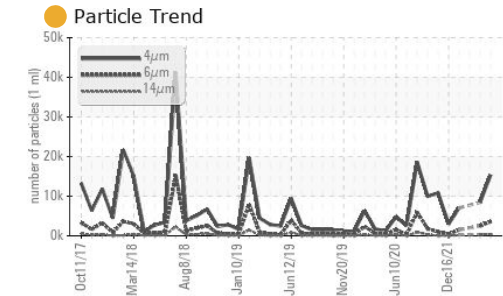
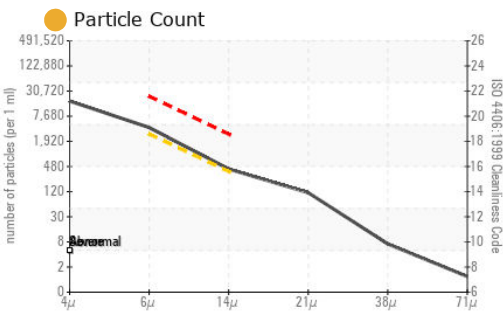
## CONTAMINATION

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

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PTK0001404</b>	PTK0000396	PTK0001301
Sample Date		Client Info		<b>19 Apr 2024</b>	09 Nov 2023	13 Jun 2023
Machine Age	wks	Client Info		<b>0</b>	0	0
Oil Age	wks	Client Info		<b>0</b>	0	0
Filter Age	wks	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ATTENTION</b>	ATTENTION	ABNORMAL
Iron	ppm	ASTM D5185m	>200	<b>8</b>	3	3
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	0	0
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>200	<b>3</b>	2	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	▲ MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	<b>3</b>	1	<1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647		<b>15371</b>	8440	---
Particles >6µm		ASTM D7647	>2500	● <b>3599</b>	● 2520	---
Particles >14µm		ASTM D7647	>320	● <b>367</b>	● 329	---
Particles >21µm		ASTM D7647	>80	<b>100</b>	85	---
Particles >38µm		ASTM D7647	>20	<b>6</b>	4	---
Particles >71µm		ASTM D7647	>4	<b>1</b>	1	---
Oil Cleanliness		ISO 4406 (c)	>18/15	● <b>19/16</b>	● 19/16	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>0</b>	1	0
Boron	ppm	ASTM D5185m		<b>15</b>	10	11
Barium	ppm	ASTM D5185m		<b>0</b>	0	5
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	0	5
Calcium	ppm	ASTM D5185m		<b>0</b>	0	7
Phosphorus	ppm	ASTM D5185m		<b>312</b>	299	365
Zinc	ppm	ASTM D5185m		<b>17</b>	17	43
Sulfur	ppm	ASTM D5185m		<b>14892</b>	13525	17506
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.98</b>	0.80	0.75
Visc @ 40°C	cSt	ASTM D445		<b>104</b>	104	104



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PTK0001404 **Received** : 22 Apr 2024  
**Lab Number** : 06156896 **Tested** : 23 Apr 2024  
**Unique Number** : 10992319 **Diagnosed** : 23 Apr 2024 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: PrtCount )

**GRAPHIC PACKAGING**  
 1500 NICHOLAS BLVD  
 ELK GROVE, IL  
 US 60017  
 Contact: TONY HILDY  
 anthonyhildy@graphicpkg.com  
 T: (847)437-1700  
 F:

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)