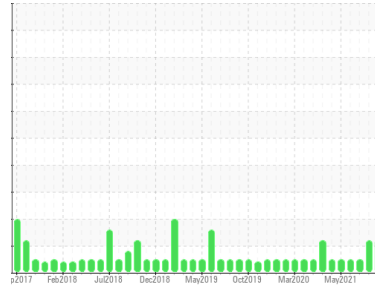


Machine Id
KBA 7203
 Component
Gearbox
 Fluid
NOT GIVEN (--- GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity 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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PTK0000396	PTK0001301	PTK0001319
Sample Date	Client Info		09 Nov 2023	13 Jun 2023	23 Nov 2022
Machine Age	wks	Client Info	0	0	0
Oil Age	wks	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ATTENTION	ABNORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	3	3	7
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m >10	0	0	<1
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	<1
Aluminum	ppm	ASTM D5185m >25	0	0	1
Lead	ppm	ASTM D5185m >50	0	0	<1
Copper	ppm	ASTM D5185m >200	2	<1	1
Tin	ppm	ASTM D5185m >10	0	0	<1
Antimony	ppm	ASTM D5185m >5	---	---	---
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	10	11	<1
Barium	ppm	ASTM D5185m	0	5	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	0	<1	0
Magnesium	ppm	ASTM D5185m	0	5	<1
Calcium	ppm	ASTM D5185m	0	7	2
Phosphorus	ppm	ASTM D5185m	299	365	234
Zinc	ppm	ASTM D5185m	17	43	56
Sulfur	ppm	ASTM D5185m	13525	17506	6572

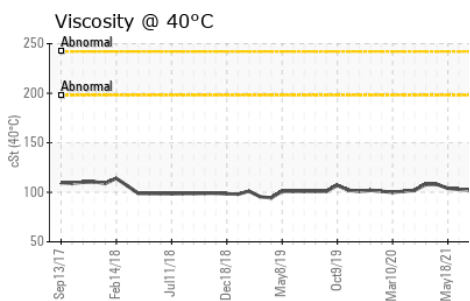
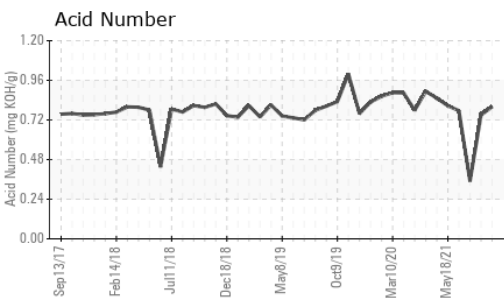
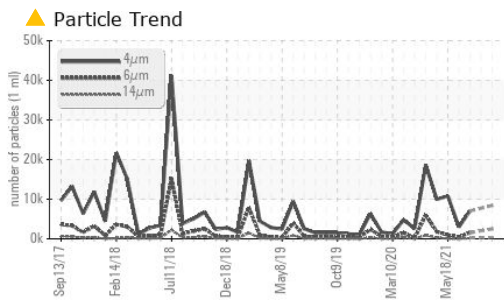
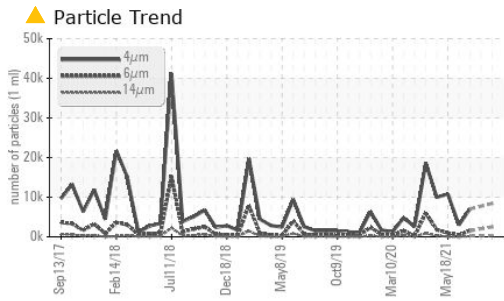
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	1	<1	4
Sodium	ppm	ASTM D5185m	1	0	<1
Potassium	ppm	ASTM D5185m >20	0	<1	<1

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		8440	---	7041
Particles >6µm	ASTM D7647	>2500	▲ 2520	---	1517
Particles >14µm	ASTM D7647	>320	▲ 329	---	150
Particles >21µm	ASTM D7647	>80	85	---	36
Particles >38µm	ASTM D7647	>20	4	---	2
Particles >71µm	ASTM D7647	>4	1	---	0
Oil Cleanliness	ISO 4406 (c)	>18/15	▲ 19/16	---	18/14

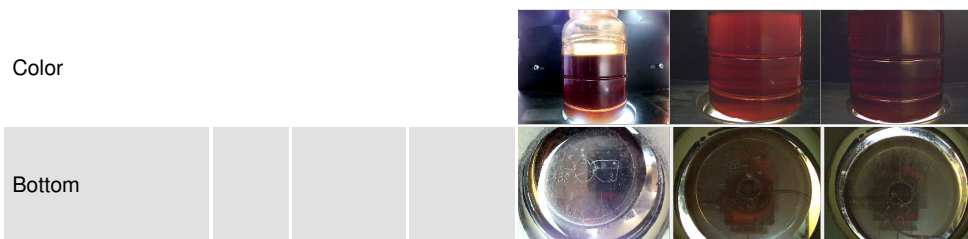
OIL ANALYSIS REPORT



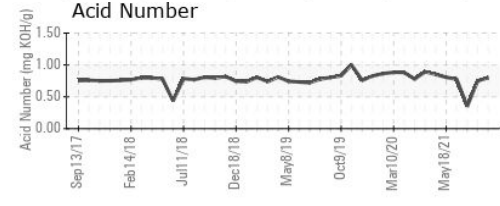
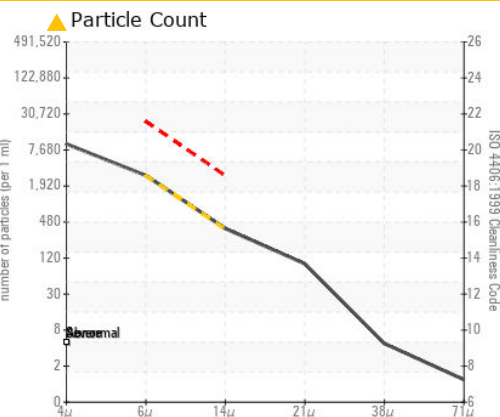
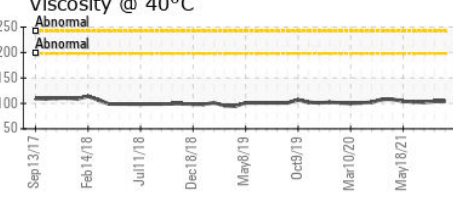
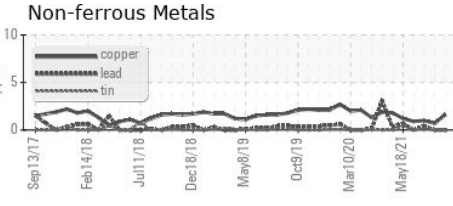
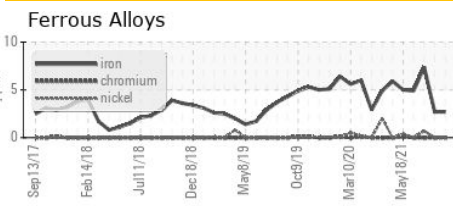
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.80	0.75	0.35
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		104	104	102

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PTK0000396 **Received** : 24 Nov 2023
Lab Number : 06017321 **Diagnosed** : 28 Nov 2023
Unique Number : 10756465 **Diagnostician** : 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)