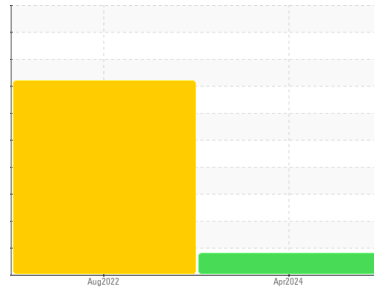




# OIL ANALYSIS REPORT

## Sample Rating Trend



**WEAR**



Machine Id

**PIT**  
Component  
**Hydraulic System**

Fluid  
**CHEVRON CLARITY HYDRAULIC AW 46 (900 GAL)**

### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

The iron level is abnormal. All other component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

#### 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			<b>KFS0000714</b>	WC0542703	---
Sample Date	Client Info			<b>11 Apr 2024</b>	23 Aug 2022	---
Machine Age	hrs	Client Info		<b>0</b>	0	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>Filtered</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	<b>SEVERE</b>	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<b>▲ 30</b>	▲ 30	---
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	>20	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	2	---
Aluminum	ppm	ASTM D5185m	>20	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m	>20	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>20	<b>2</b>	2	---
Tin	ppm	ASTM D5185m	>20	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	2	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	4	---
Calcium	ppm	ASTM D5185m		<b>56</b>	106	---
Phosphorus	ppm	ASTM D5185m		<b>67</b>	339	---
Zinc	ppm	ASTM D5185m		<b>93</b>	374	---
Sulfur	ppm	ASTM D5185m		<b>950</b>	966	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>3735</b>	---	---
Particles >6µm		ASTM D7647	>1300	<b>1057</b>	---	---
Particles >14µm		ASTM D7647	>160	<b>94</b>	---	---
Particles >21µm		ASTM D7647	>40	<b>33</b>	---	---
Particles >38µm		ASTM D7647	>10	<b>2</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>19/17/14</b>	---	---

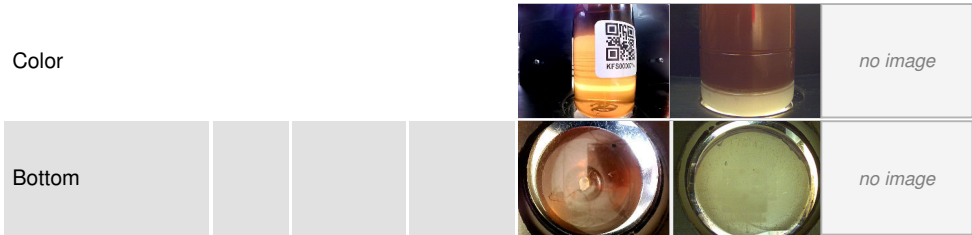
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.148</b>	0.76	---

# OIL ANALYSIS REPORT

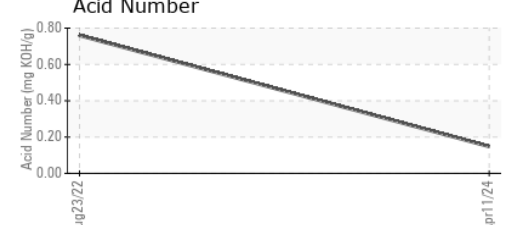
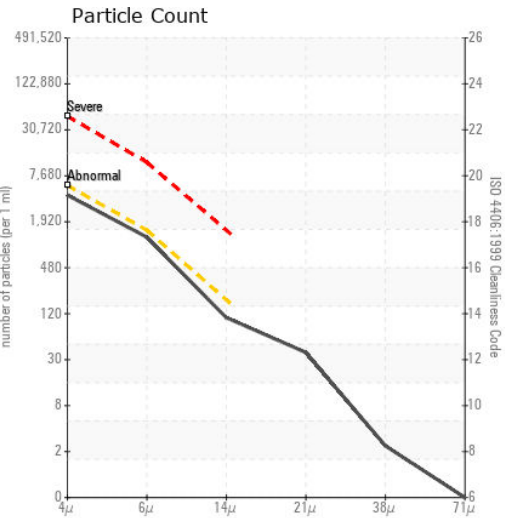
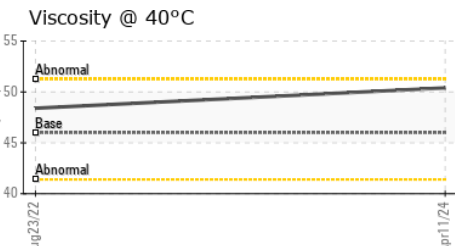
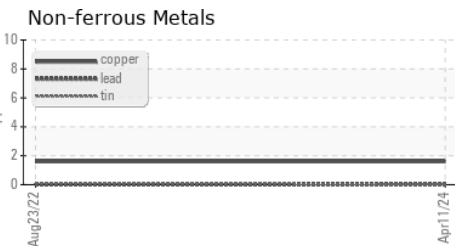
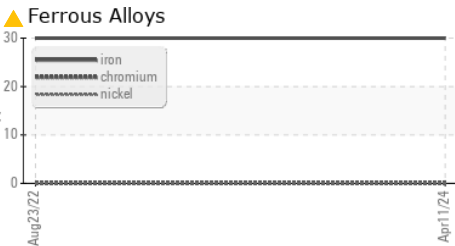
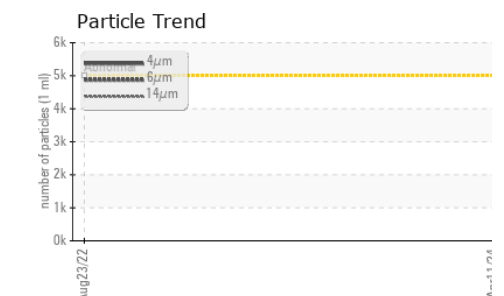
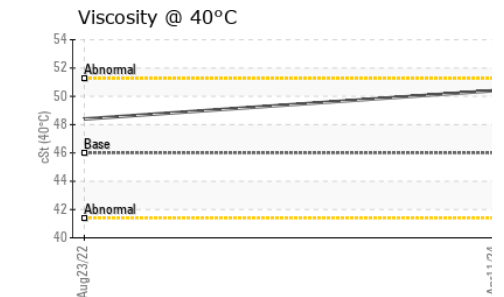
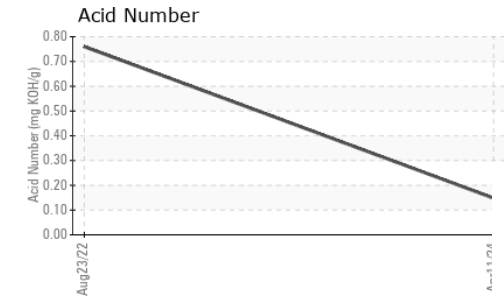
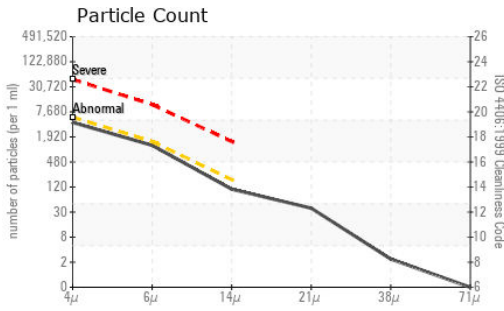
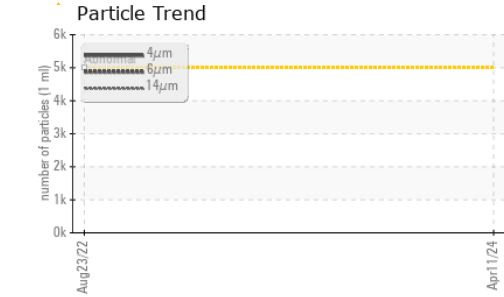
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	NEG	▲ 0.2%
Free Water	scalar	*Visual		NEG	▲ 5.0

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.0	50.4	48.4

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KFS0000714      **Received** : 15 Apr 2024  
**Lab Number** : 06148611      **Tested** : 16 Apr 2024  
**Unique Number** : 10978689      **Diagnosed** : 17 Apr 2024 - Don Baldrige  
**Test Package** : IND 2

**KIMBRO OIL COMPANY**  
 2200 CLIFTON AVE  
 NASHVILLE, TN  
 US 37203  
 Contact: CHRIS HIGGINS  
 chiggins@kimbrooil.com  
 T: (270)305-1347  
 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)