



# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**HOMO 3 CRANK CASE**

Component  
**Gearbox**  
Fluid  
**{not provided} (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### ▲ Contamination

There is a high 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	<b>USP0007666</b>	---	---
Sample Date	Client Info	<b>22 Feb 2024</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>200	<b>2</b>	---	---
Chromium ppm ASTM D5185m	>15	<b>0</b>	---	---
Nickel ppm ASTM D5185m	>15	<b>0</b>	---	---
Titanium ppm ASTM D5185m		<b>0</b>	---	---
Silver ppm ASTM D5185m		<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>25	<b>&lt;1</b>	---	---
Lead ppm ASTM D5185m	>100	<b>3</b>	---	---
Copper ppm ASTM D5185m	>200	<b>20</b>	---	---
Tin ppm ASTM D5185m	>25	<b>&lt;1</b>	---	---
Vanadium ppm ASTM D5185m		<b>0</b>	---	---
Cadmium ppm ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		<b>0</b>	---	---
Barium ppm ASTM D5185m		<b>0</b>	---	---
Molybdenum ppm ASTM D5185m		<b>0</b>	---	---
Manganese ppm ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Calcium ppm ASTM D5185m		<b>6</b>	---	---
Phosphorus ppm ASTM D5185m		<b>478</b>	---	---
Zinc ppm ASTM D5185m		<b>64</b>	---	---
Sulfur ppm ASTM D5185m		<b>3724</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>50	<b>3</b>	---	---
Sodium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>&lt;1</b>	---	---
Water % ASTM D6304	>0.2	<b>0.001</b>	---	---
ppm Water ppm ASTM D6304	>2000	<b>12</b>	---	---

## FLUID CLEANLINESS

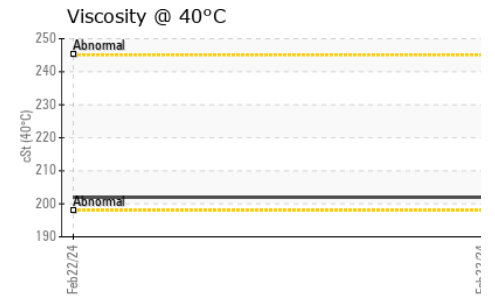
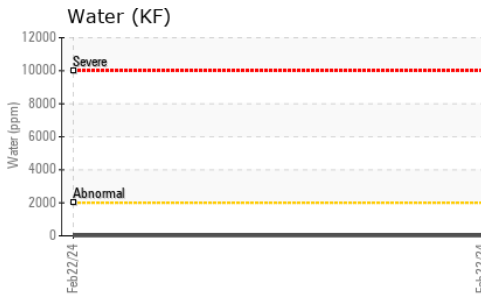
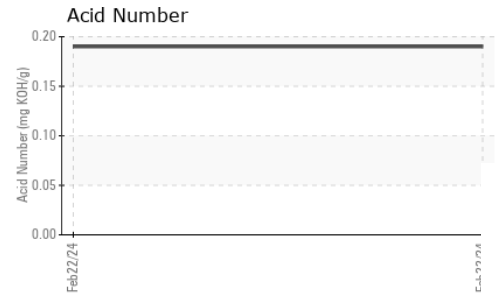
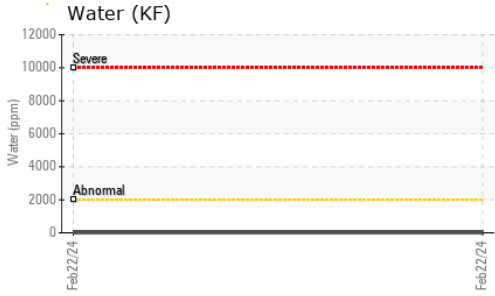
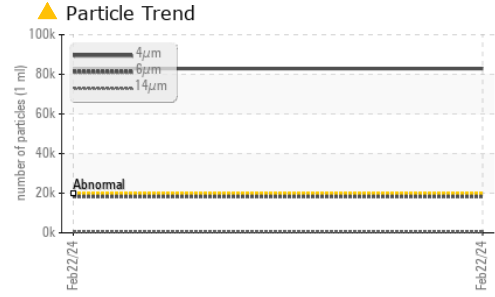
method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>20000	<b>▲ 82873</b>	---	---
Particles >6µm ASTM D7647	>5000	<b>▲ 18370</b>	---	---
Particles >14µm ASTM D7647	>640	<b>556</b>	---	---
Particles >21µm ASTM D7647	>160	<b>86</b>	---	---
Particles >38µm ASTM D7647	>40	<b>2</b>	---	---
Particles >71µm ASTM D7647	>10	<b>1</b>	---	---
Oil Cleanliness ISO 4406 (c)	>21/19/16	<b>▲ 24/21/16</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		<b>0.19</b>	---	---



# OIL ANALYSIS REPORT



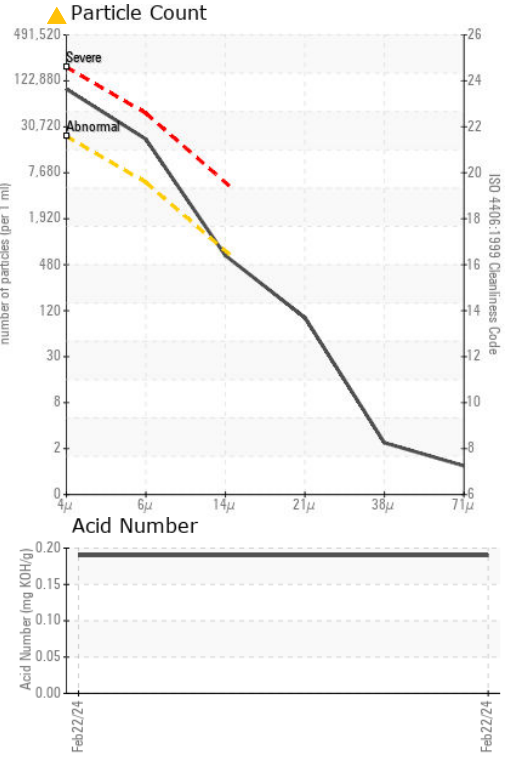
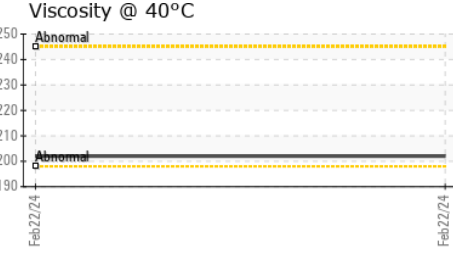
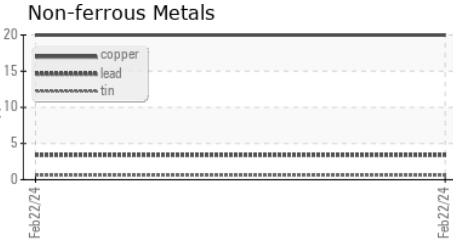
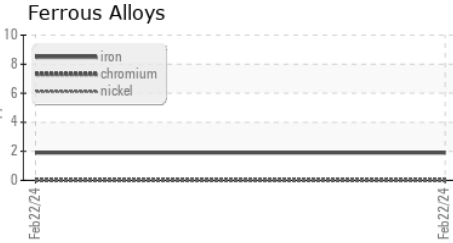
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	202	---	---

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

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : USP0007666 **Received** : 23 Feb 2024  
**Lab Number** : 06099175 **Tested** : 26 Feb 2024  
**Unique Number** : 10897405 **Diagnosed** : 26 Feb 2024 - Doug Bogart  
**Test Package** : IND 2

**KROGER MOUNTAIN VIEW FOODS**  
 10241 EAST 51ST AVE  
 DENVER, CO  
 US 80239  
 Contact: CHARLES AMMERMAN

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)