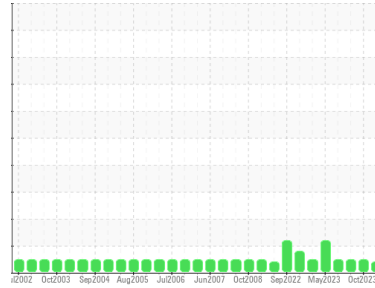


Machine Id  
**CURD BREAKER**  
 Component  
**Gearbox**  
 Fluid  
**Mobilgear 600 XP 150 (20 GAL)**



## DIAGNOSIS

**Recommendation**  
 We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 Moderate concentration of visible dirt/debris 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>PCA0113539</b>	PCA0103597	PCA0099631
Sample Date	Client Info	<b>29 Dec 2023</b>	16 Oct 2023	08 Sep 2023
Machine Age	hrs	<b>0</b>	0	0
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>ABNORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

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

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >200	<b>16</b>	20	31
Chromium	ppm ASTM D5185m >15	<b>&lt;1</b>	<1	0
Nickel	ppm ASTM D5185m >15	<b>&lt;1</b>	<1	0
Titanium	ppm ASTM D5185m	<b>0</b>	<1	0
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >25	<b>1</b>	1	0
Lead	ppm ASTM D5185m >100	<b>&lt;1</b>	<1	<1
Copper	ppm ASTM D5185m >200	<b>1</b>	1	2
Tin	ppm ASTM D5185m >25	<b>&lt;1</b>	<1	0
Vanadium	ppm ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	<1	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>0</b>	3	0
Barium	ppm ASTM D5185m	<b>2</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>&lt;1</b>	<1	<1
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm ASTM D5185m	<b>1</b>	0	2
Calcium	ppm ASTM D5185m	<b>19</b>	29	50
Phosphorus	ppm ASTM D5185m	<b>352</b>	363	363
Zinc	ppm ASTM D5185m	<b>110</b>	156	244
Sulfur	ppm ASTM D5185m	<b>15475</b>	16193	14179

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	<b>4</b>	5	6
Sodium	ppm ASTM D5185m	<b>0</b>	0	0
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	1	<1

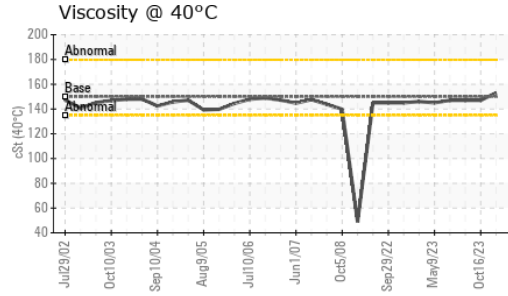
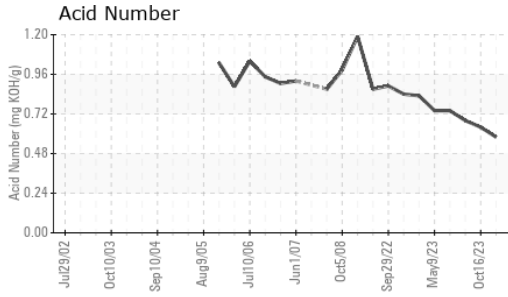
## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	<b>---</b>	1092	2478
Particles >6µm	ASTM D7647 >2500	<b>---</b>	262	540
Particles >14µm	ASTM D7647 >640	<b>---</b>	21	34
Particles >21µm	ASTM D7647 >160	<b>---</b>	6	9
Particles >38µm	ASTM D7647 >40	<b>---</b>	0	1
Particles >71µm	ASTM D7647 >10	<b>---</b>	0	1
Oil Cleanliness	ISO 4406 (c) >20/18/16	<b>---</b>	17/15/12	18/16/12

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>0.58</b>	0.64	0.68

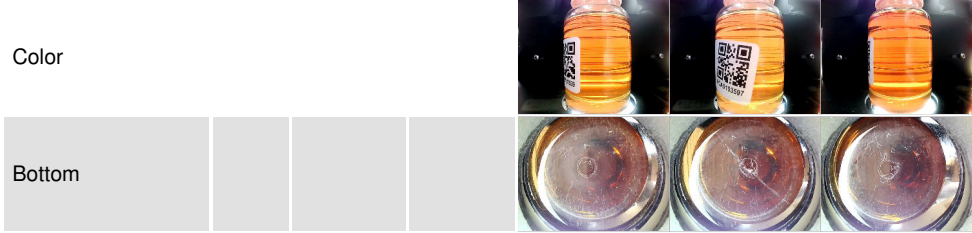
# OIL ANALYSIS REPORT



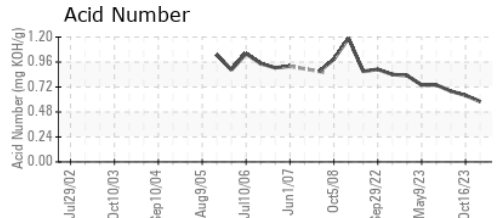
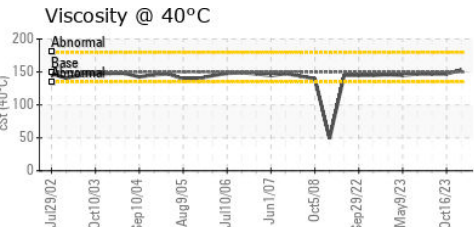
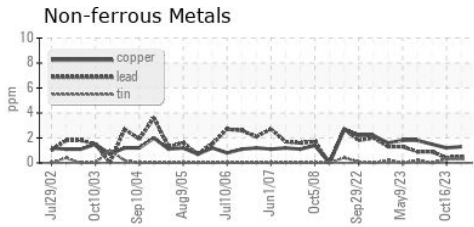
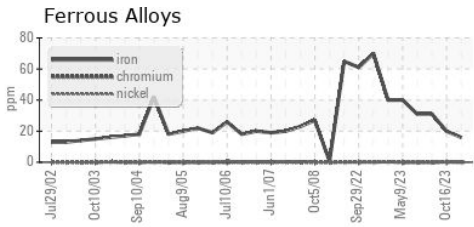
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	153	147

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0113539 **Received** : 04 Jan 2024  
**Lab Number** : 06050871 **Diagnosed** : 05 Jan 2024  
**Unique Number** : 10816820 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**KraftHeinz - New Ulm - Plant 8302**  
 2525 S BRIDGE STREET  
 NEW ULM, MN  
 US 56073  
 Contact: RYAN SCHMID  
 ryan.schmid@kraftheinz.com  
 T: (507)568-0338  
 F: (507)354-7927

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)