

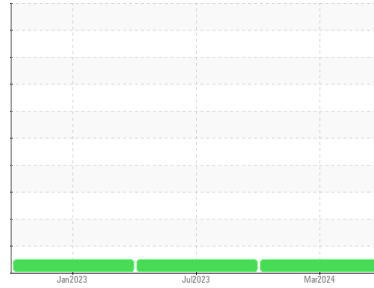
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**Midwest PGM**  
 Machine Id  
**FUCHS 340 fuchs mhl340 (S/N 340/ 2001)**  
 Component  
**Rear Right Final Drive**  
 Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**



## DIAGNOSIS

**Recommendation**  
 Resample at the next service interval to monitor.

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

**Contamination**  
 There is no indication of any contamination in the oil.

**Fluid Condition**  
 The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0115481</b>	LW0007285	LW0006320
Sample Date	Client Info	<b>27 Mar 2024</b>	11 Jul 2023	11 Jan 2023
Machine Age	hrs	<b>14765</b>	14352	14066
Oil Age	hrs	<b>14765</b>	14352	14066
Oil Changed	Client Info	<b>Not Changed</b>	Not Changd	Not Changed
Sample Status		<b>NORMAL</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 >500	<b>116</b>	101	103
Chromium	ppm ASTM D5185m >10	<b>1</b>	1	<1
Nickel	ppm ASTM D5185m >10	<b>0</b>	<1	0
Titanium	ppm ASTM D5185m	<b>0</b>	0	0
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >25	<b>&lt;1</b>	1	<1
Lead	ppm ASTM D5185m >25	<b>0</b>	<1	<1
Copper	ppm ASTM D5185m >50	<b>22</b>	21	19
Tin	ppm ASTM D5185m >10	<b>0</b>	0	0
Vanadium	ppm ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm ASTM D5185m	<b>0</b>	<1	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 400	<b>0</b>	0	0
Barium	ppm ASTM D5185m 200	<b>0</b>	6	1
Molybdenum	ppm ASTM D5185m 12	<b>0</b>	0	0
Manganese	ppm ASTM D5185m	<b>4</b>	3	3
Magnesium	ppm ASTM D5185m 12	<b>0</b>	2	0
Calcium	ppm ASTM D5185m 150	<b>4</b>	8	16
Phosphorus	ppm ASTM D5185m 1650	<b>311</b>	270	305
Zinc	ppm ASTM D5185m 125	<b>7</b>	25	17
Sulfur	ppm ASTM D5185m 22500	<b>29190</b>	26221	28346

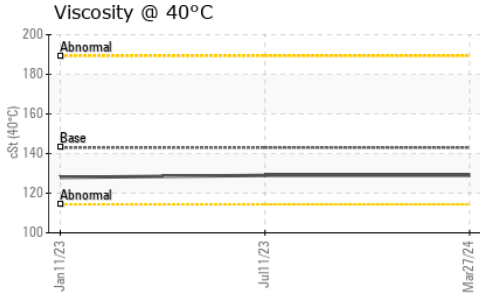
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	<b>13</b>	12	12
Sodium	ppm ASTM D5185m >170	<b>3</b>	3	3
Potassium	ppm ASTM D5185m >20	<b>0</b>	2	<1

## VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	<b>NONE</b>	MODER	NONE
Yellow Metal	scalar *Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar *Visual NONE	<b>NONE</b>	NONE	NONE
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
Free Water	scalar *Visual	<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT

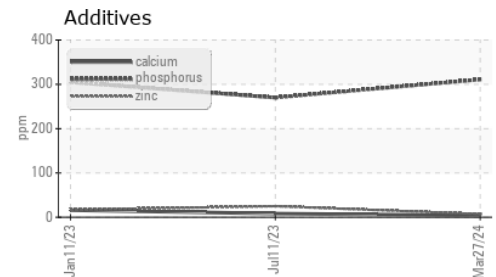
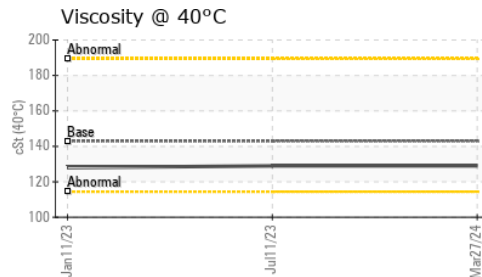
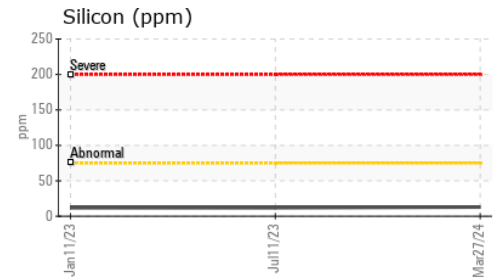
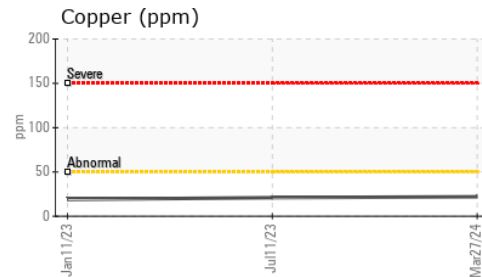
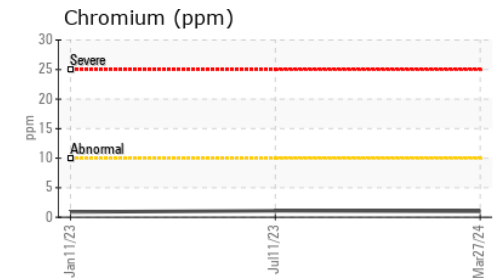
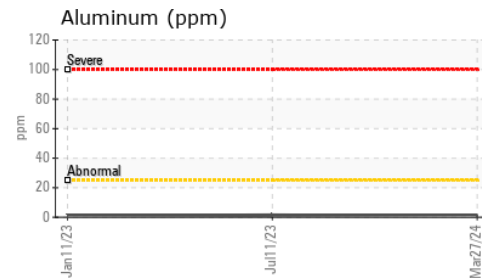
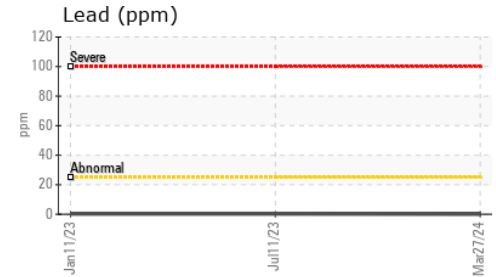
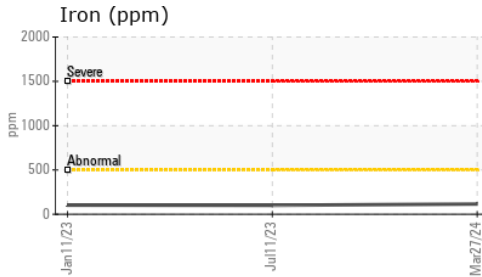


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	143	<b>129</b>	129	128

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0115481      **Received** : 02 Apr 2024  
**Lab Number** : 06136686      **Tested** : 03 Apr 2024  
**Unique Number** : 10956151      **Diagnosed** : 04 Apr 2024 - Don Baldrige  
**Test Package** : MOB 1

**CHICAGO MACHINERY INC**  
 3142 EAST LINCOLN  
 LYNWOOD, IL  
 US 60411-7728  
 Contact: Mike Korbek  
 mike@chicagomachineryinc.com  
 T: (708)758-2060  
 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)