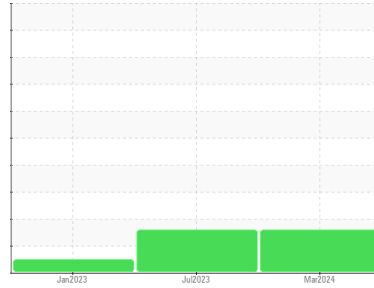


OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
Midwest PGM
 Machine Id
FUCHS 340 fuchs mh1340 (S/N 340/ 2001)
 Component
Front Left Final Drive
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

Gear wear is indicated. Bearing and/or bushing wear is indicated.

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	PCA0115476	LW0007280	LW0006317
Sample Date	Client Info	27 Mar 2024	11 Jul 2023	11 Jan 2023
Machine Age	hrs	14765	14352	14066
Oil Age	hrs	14765	14352	14066
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		ABNORMAL	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 >500	▲ 577	▲ 540	104
Chromium	ppm ASTM D5185m >10	6	6	<1
Nickel	ppm ASTM D5185m >10	<1	1	0
Titanium	ppm ASTM D5185m	<1	<1	0
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	5	8	<1
Lead	ppm ASTM D5185m >25	<1	2	<1
Copper	ppm ASTM D5185m >50	▲ 85	▲ 93	19
Tin	ppm ASTM D5185m >10	0	0	<1
Vanadium	ppm ASTM D5185m	0	<1	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 400	<1	3	0
Barium	ppm ASTM D5185m 200	16	24	1
Molybdenum	ppm ASTM D5185m 12	0	<1	0
Manganese	ppm ASTM D5185m	12	12	3
Magnesium	ppm ASTM D5185m 12	0	2	1
Calcium	ppm ASTM D5185m 150	12	13	8
Phosphorus	ppm ASTM D5185m 1650	292	264	299
Zinc	ppm ASTM D5185m 125	79	95	15
Sulfur	ppm ASTM D5185m 22500	27348	26712	28052

CONTAMINANTS

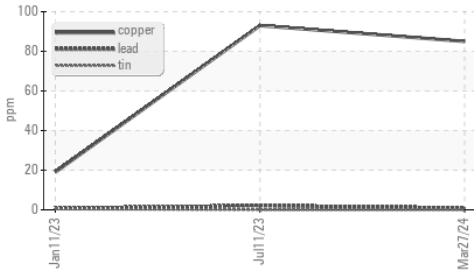
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	13	12	12
Sodium	ppm ASTM D5185m >170	11	13	3
Potassium	ppm ASTM D5185m >20	15	17	1

VISUAL

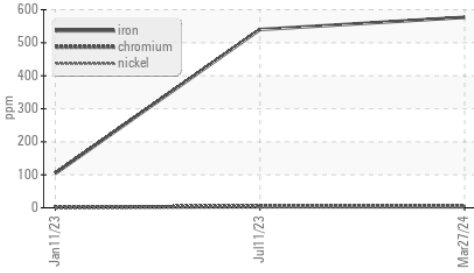
method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	MODER	NONE
Yellow Metal	scalar *Visual NONE	NONE	NONE	NONE
Precipitate	scalar *Visual NONE	NONE	NONE	NONE
Silt	scalar *Visual NONE	NONE	NONE	NONE
Debris	scalar *Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar *Visual NONE	NONE	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

OIL ANALYSIS REPORT

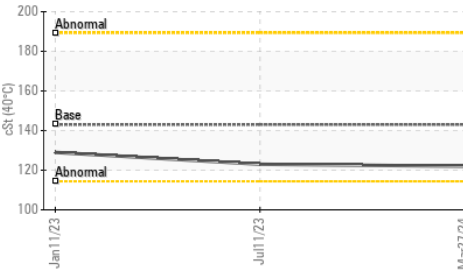
▲ Non-ferrous Metals



▲ Ferrous Alloys



Viscosity @ 40°C



FLUID PROPERTIES

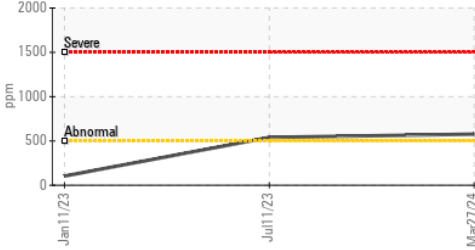
method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	143	123	129

SAMPLE IMAGES

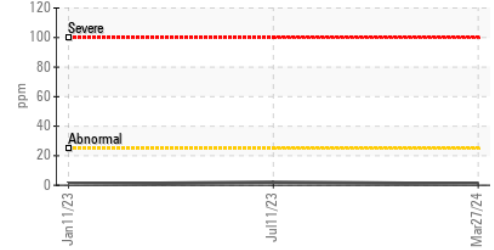
method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

GRAPHS

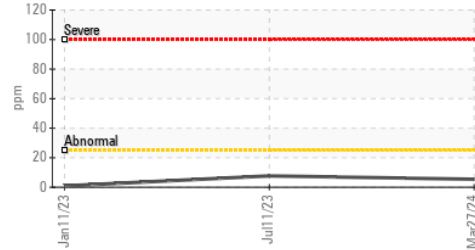
▲ Iron (ppm)



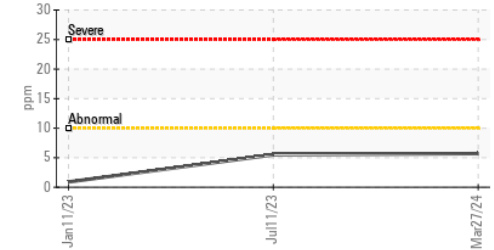
▲ Lead (ppm)



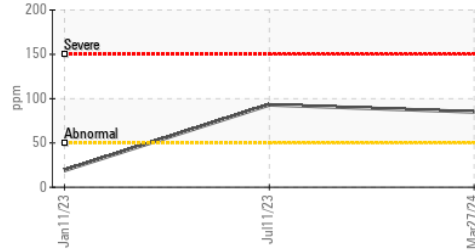
▲ Aluminum (ppm)



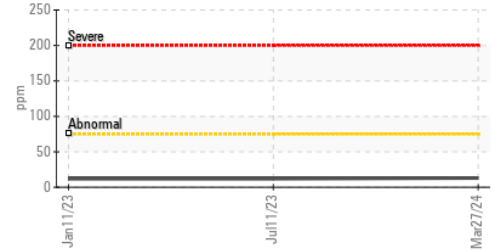
▲ Chromium (ppm)



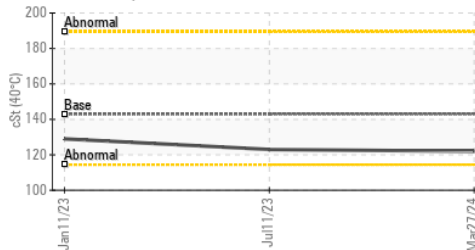
▲ Copper (ppm)



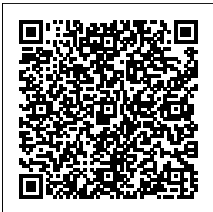
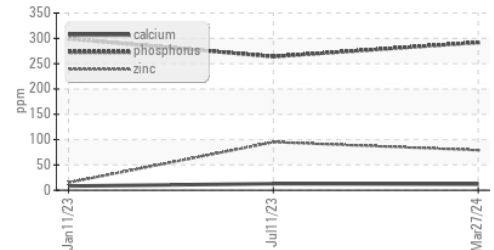
▲ Silicon (ppm)



Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0115476
Lab Number : 06136689
Unique Number : 10956154
Test Package : MOB 1

Received : 02 Apr 2024
Tested : 03 Apr 2024
Diagnosed : 04 Apr 2024 - Don Baldrige

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 LYNWOOD, IL
 US 60411-7728
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 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)