



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
SECONDARY MILL NORTH DISCHARGE

Component
Inboard Bearing

Fluid
MOBIL MOBILGEAR 600 XP 220 (50 LTR)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0940541	WC0904179	PP
Sample Date		Client Info		10 Jun 2024	06 Feb 2024	29 May 2005
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	N/A	N/A
Filter Changed		Client Info		Not Chngd	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	SEVERE

WEAR

Lead ppm levels are abnormal. Bearing wear is indicated.

Iron	ppm	ASTM D5185(m)	>200	14	8	▲ 31
Chromium	ppm	ASTM D5185(m)	>5	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	<1	0
Titanium	ppm	ASTM D5185(m)	>5	<1	0	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	2	2	5
Lead	ppm	ASTM D5185(m)	>50	▲ 91	▲ 75	▲ 242
Copper	ppm	ASTM D5185(m)	>150	1	<1	1
Tin	ppm	ASTM D5185(m)	>10	4	4	▲ 61
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

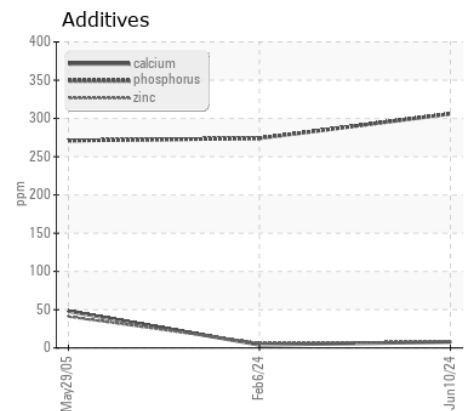
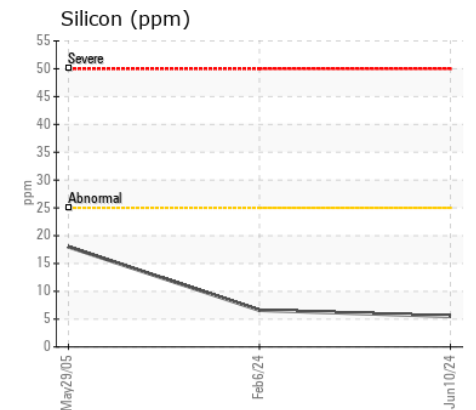
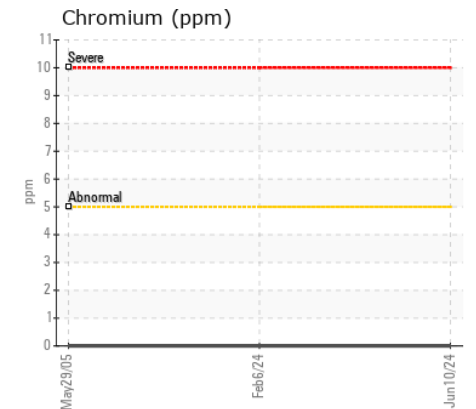
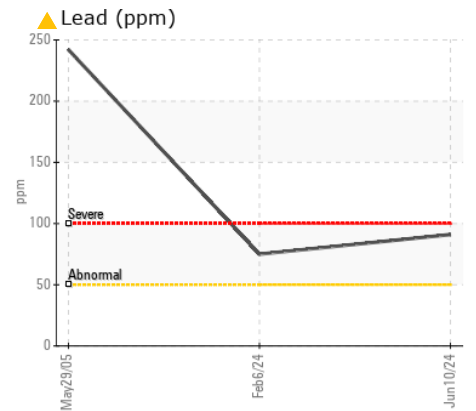
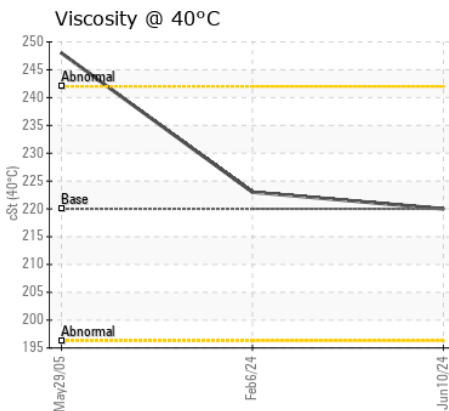
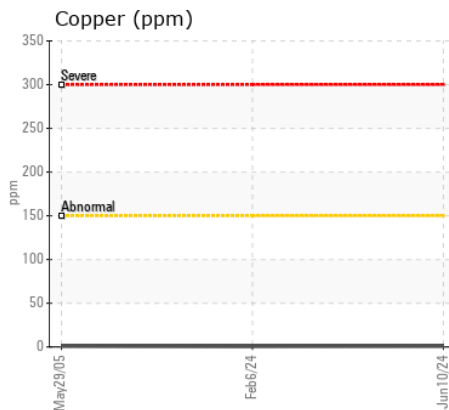
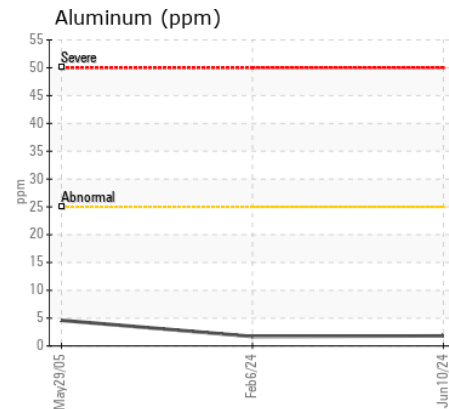
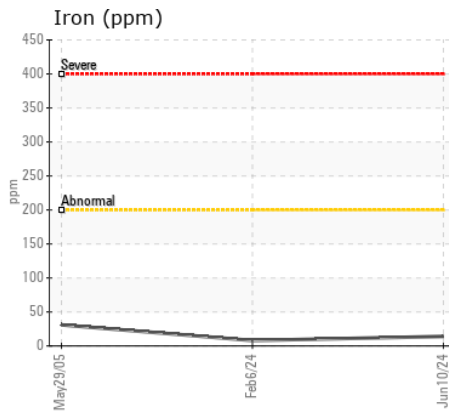
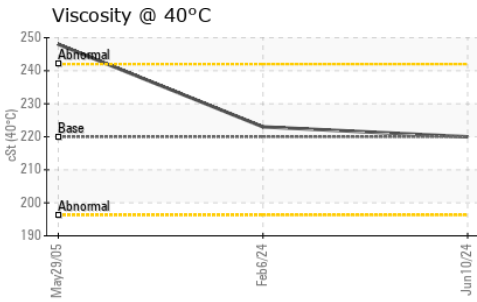
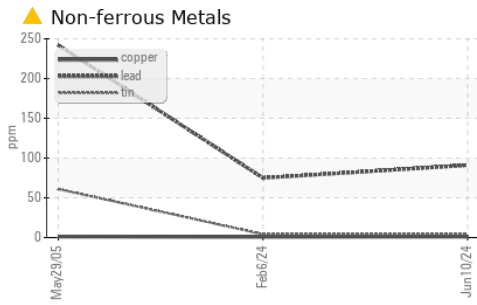
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	6	7	▲ 18
Potassium	ppm	ASTM D5185(m)	>20	2	5	4
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE	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*	>0.1	NEG	NEG	NEG

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)		3	4	2
Boron	ppm	ASTM D5185(m)		10	11	16
Barium	ppm	ASTM D5185(m)		0	0	19
Molybdenum	ppm	ASTM D5185(m)		0	0	2
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)		<1	<1	3
Calcium	ppm	ASTM D5185(m)		8	4	48
Phosphorus	ppm	ASTM D5185(m)		306	274	271
Zinc	ppm	ASTM D5185(m)		8	6	41
Sulfur	ppm	ASTM D5185(m)		13565	10680	6250
Visc @ 40°C	cSt	ASTM D7279(m)	220	220	223	▲ 248



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0940541
Lab Number : 02641251
Unique Number : 5798790
Test Package : MOB 1

Received : 11 Jun 2024
Tested : 11 Jun 2024
Diagnosed : 11 Jun 2024 - Kevin Marson

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.