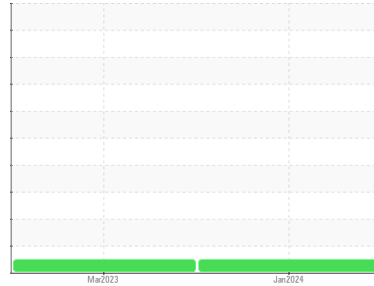




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area

**[335]**

Machine Id

**[C-GGGM] MBB BO-105 CBS 4 C-GGGM**

Component

**Right Jet Turbine**

Fluid

**MOBIL JET OIL II (6 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal. The ferrography results are normal indicating no abnormal wear in the system.

### Contaminants

The water content is negligible. There is no indication of any contamination in the oil.

### Oil 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>WC0867865</b>	WC0669637	---
Sample Date	Client Info		<b>02 Jan 2024</b>	14 Mar 2023	---
TSN	hrs	Client Info	<b>0</b>	11906	---
TSO	hrs	Client Info	<b>0</b>	0	---
Oil Age	hrs	Client Info	<b>0</b>	100	---
Oil Changed		Client Info	<b>N/A</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >8	<b>&lt;1</b>	<1	---
Chromium	ppm	ASTM D5185(m) >2	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m) >2	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m) >2	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m) >2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m) >2	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185(m) >3	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m) >3	<b>2</b>	<1	---
Tin	ppm	ASTM D5185(m) >2	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Phosphorus	ppm	ASTM D5185(m)	<b>2957</b>	2947	---
Zinc	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---
Sulfur	ppm	ASTM D5185(m)	<b>0</b>	3	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

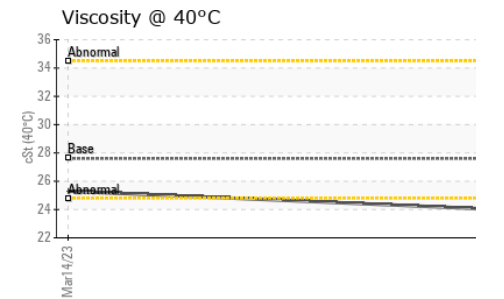
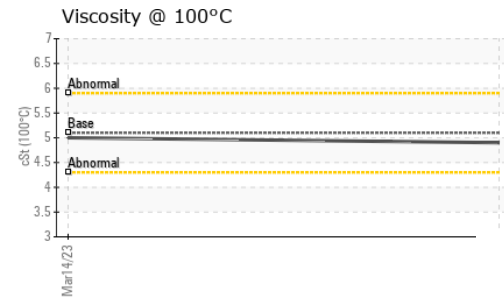
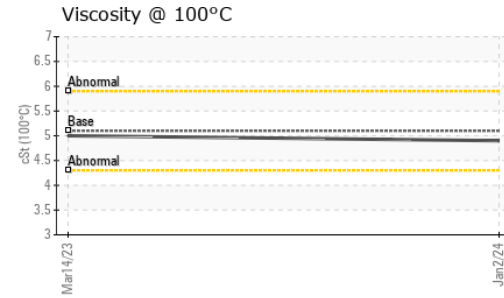
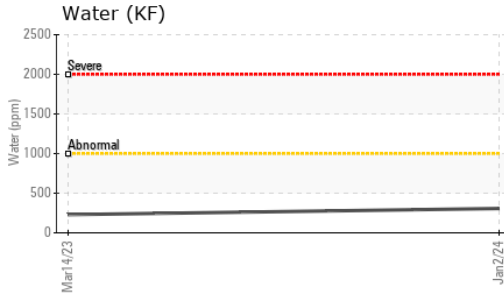
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >8	<b>&lt;1</b>	0	---
Sodium	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	0	---
Water	%	ASTM D6304* >.1	<b>0.030</b>	0.022	---
ppm Water	ppm	ASTM D6304* >1000	<b>307</b>	229.3	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.03	<b>0.13</b>	0.13	---



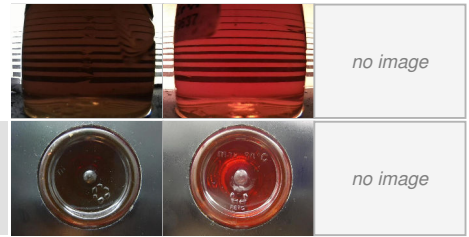
# OIL ANALYSIS REPORT



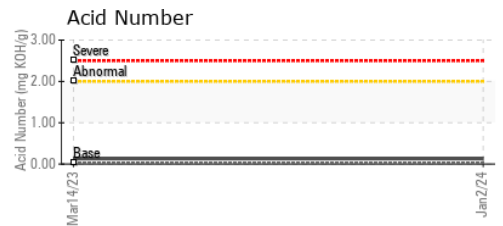
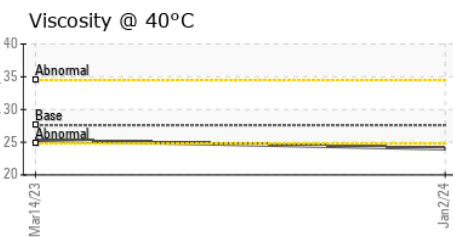
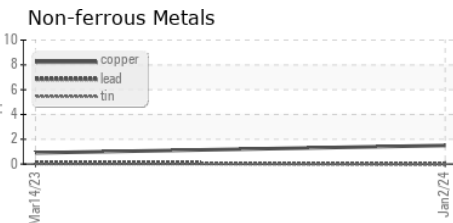
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	27.6	25.3	---
Visc @ 100°C	cSt	ASTM D7279(m)	5.1	5	---
Viscosity Index (VI)	Scale	ASTM D2270*	130	125	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0867865 **Received** : 15 Jan 2024  
**Lab Number** : 02608712 **Diagnosed** : 17 Jan 2024  
**Unique Number** : 5709798 **Diagnostician** : Kevin Marson  
**Test Package** : AVI 3

**ITPS Canada**  
 2465 Aviation Lane., Unit 1  
 London, ON  
 CA N5V 3Z9  
 Contact: Shannon Hickey  
 shannon.hickey@itpscanada.com

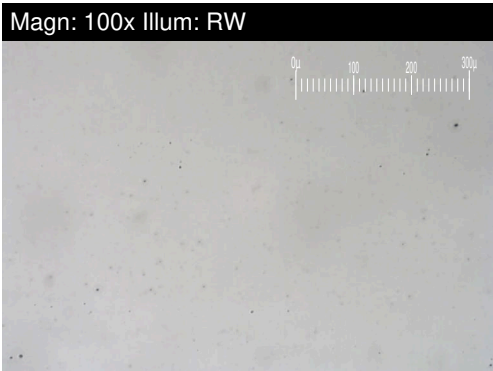
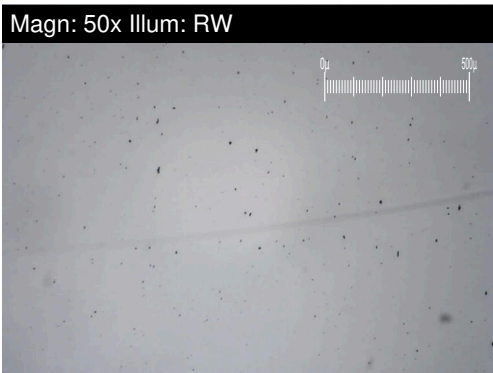
To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

T:  
F:



# FERROGRAPHY REPORT

Area  
**[335]**  
 Machine Id  
**[C-GGGM] MBB BO-105 CBS 4 C-GGGM**  
 Component  
**Right Jet Turbine**  
 Fluid  
**MOBIL JET OIL II (6 LTR)**

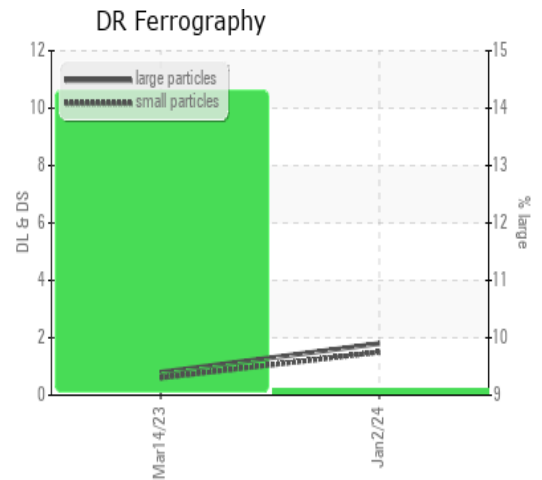


DR-FERROGRAPHY		method	limit/base	current	history1	history2
Large Particles		DR-Ferr*		<b>1.8</b>	0.8	---
Small Particles		DR-Ferr*		<b>1.5</b>	0.6	---
Total Particles		DR-Ferr*	>---	<b>3.3</b>	1.4	---
Large Particles Percentage	%	DR-Ferr*		<b>9.1</b>	14.3	---
Severity Index		DR-Ferr*		<b>1</b>	0	---

FERROGRAPHY		method	limit/base	current	history1	history2
Ferrous Rubbing	Scale 0-10	ASTM D7684*		1	1	
Ferrous Sliding	Scale 0-10	ASTM D7684*				
Ferrous Cutting	Scale 0-10	ASTM D7684*				
Ferrous Rolling	Scale 0-10	ASTM D7684*		1	1	
Ferrous Break-in	Scale 0-10	ASTM D7684*				
Ferrous Spheres	Scale 0-10	ASTM D7684*				
Ferrous Black Oxides	Scale 0-10	ASTM D7684*				
Ferrous Red Oxides	Scale 0-10	ASTM D7684*				
Ferrous Corrosive	Scale 0-10	ASTM D7684*				
Ferrous Other	Scale 0-10	ASTM D7684*				
Nonferrous Rubbing	Scale 0-10	ASTM D7684*				
Nonferrous Sliding	Scale 0-10	ASTM D7684*				
Nonferrous Cutting	Scale 0-10	ASTM D7684*				
Nonferrous Rolling	Scale 0-10	ASTM D7684*				
Nonferrous Other	Scale 0-10	ASTM D7684*				
Carbonaceous Material	Scale 0-10	ASTM D7684*				
Lubricant Degradation	Scale 0-10	ASTM D7684*				
Sand/Dirt	Scale 0-10	ASTM D7684*			1	
Fibres	Scale 0-10	ASTM D7684*				
Spheres	Scale 0-10	ASTM D7684*				
Other	Scale 0-10	ASTM D7684*		1	1	

### WEAR

All component wear rates are normal.  
 The ferrography results are normal indicating no abnormal wear in the system.



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