



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**Funicular**  
 Machine Id  
**Drive RM GB (S/N 46147508/110)**  
 Component  
**Gearbox**  
 Fluid  
**MOBIL MOBILGEAR SHC 320 (130 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

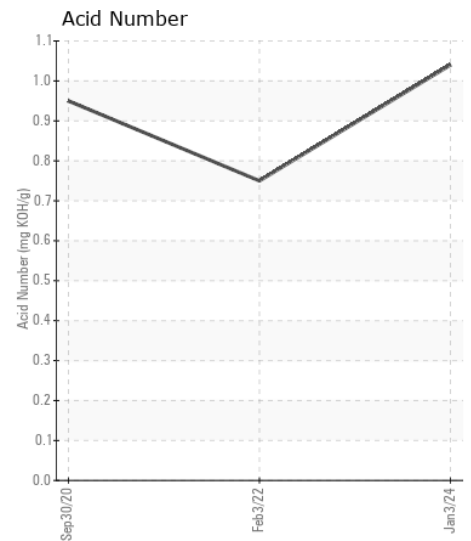
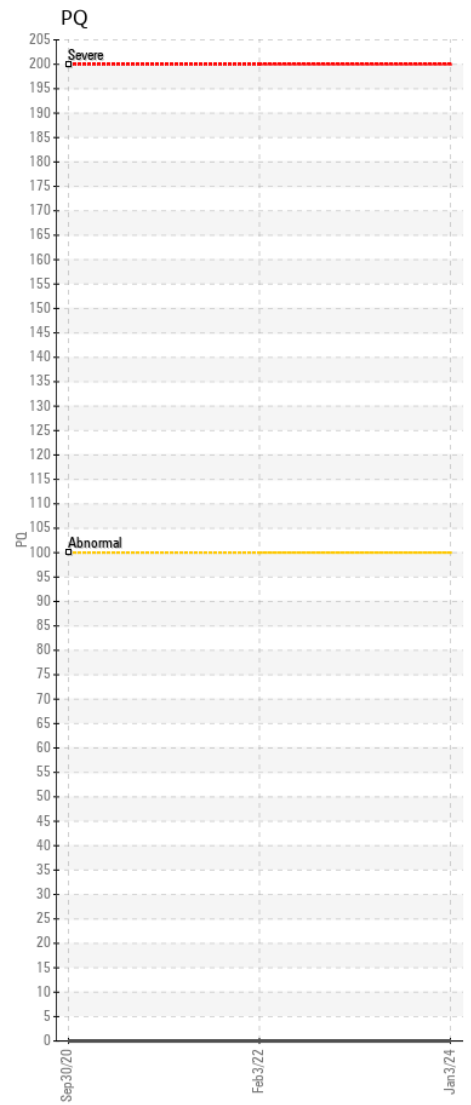
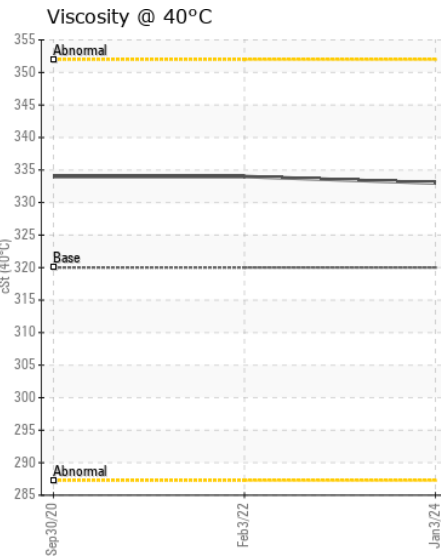
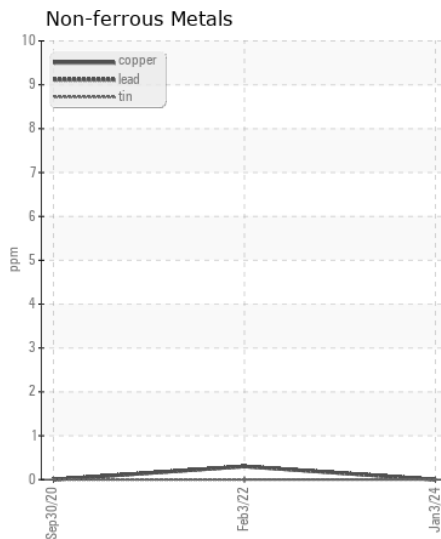
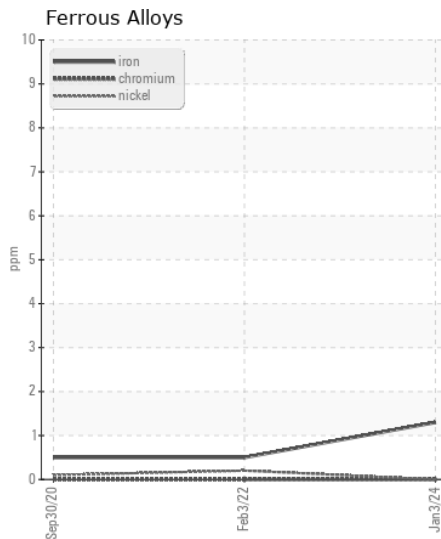
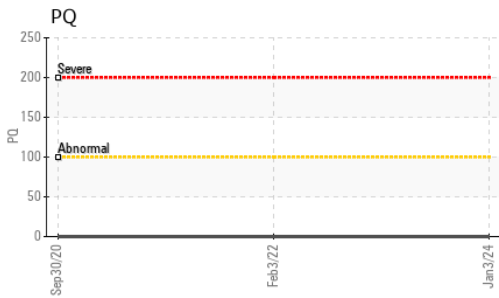
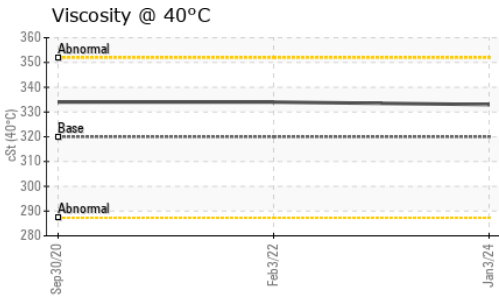
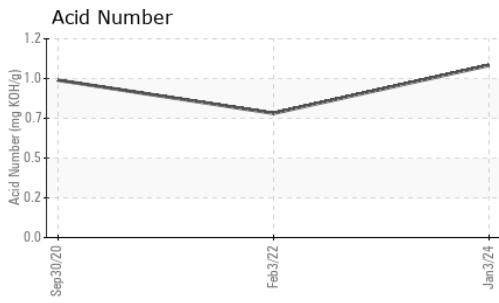
## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0868689</b>	WC0627551	WC0423154
Sample Date		Client Info		<b>03 Jan 2024</b>	03 Feb 2022	30 Sep 2020
Machine Age	hrs	Client Info		<b>2058</b>	0	1700
Oil Age	hrs	Client Info		<b>0</b>	2	425
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	N/A	N/A
Filter Changed		Client Info		<b>None</b>	N/A	None
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL
PQ		ASTM D8184*		<b>0</b>	0	0
Iron	ppm	ASTM D5185(m)	>200	<b>1</b>	<1	<1
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	0	0
Lead	ppm	ASTM D5185(m)	>50	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m)	>200	<b>0</b>	<1	0
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>50	<b>27</b>	27	31
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	<1	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	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
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	1
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Calcium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Phosphorus	ppm	ASTM D5185(m)		<b>444</b>	464	456
Zinc	ppm	ASTM D5185(m)		<b>4</b>	3	3
Sulfur	ppm	ASTM D5185(m)		<b>1859</b>	1921	2091
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>1.04</b>	0.75	0.95
Visc @ 40°C	cSt	ASTM D7279(m)	320	<b>333</b>	334	334



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0868689  
**Lab Number** : 02608309  
**Unique Number** : 5709395  
**Test Package** : MAR 2 ( Additional Tests: TAN Man )

**Niagara City Cruises (Hornblower)**  
 5775 River Road  
 Niagara Falls, ON  
 CA L2G 3K9  
 Contact: Evan Dubblestyn  
 evan.dubblestyn@cityexperiences.com  
 T: (519)373-4663  
 F: x:

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.