



# OIL ANALYSIS REPORT

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

Area  
**[13980636]**  
 Machine Id  
**CGB519119**  
 Component  
**2 Gearbox**  
 Fluid  
**MOBIL SHC 630 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

## WEAR

All component wear rates are normal.

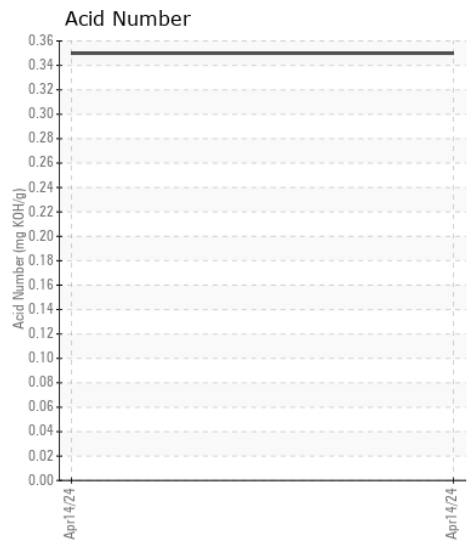
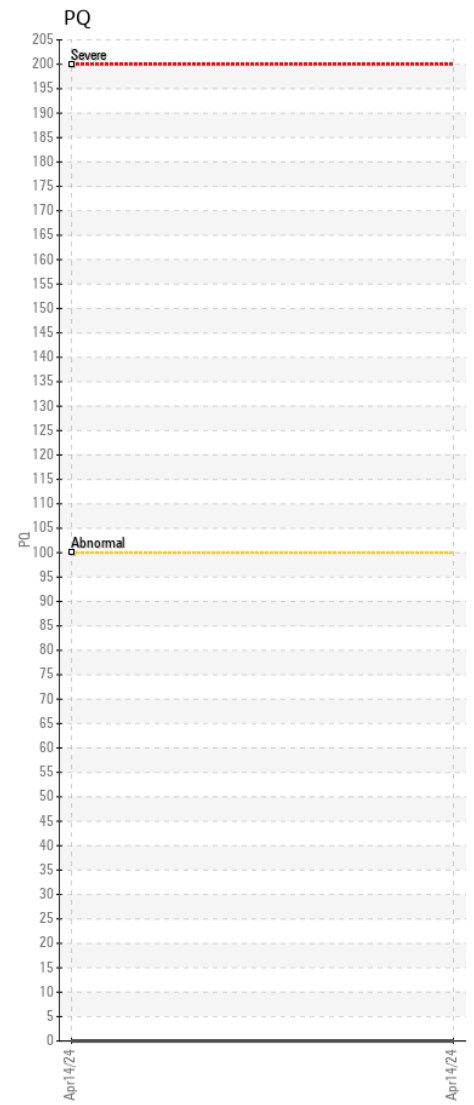
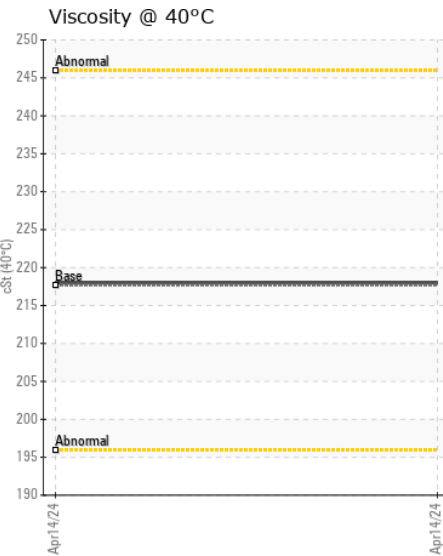
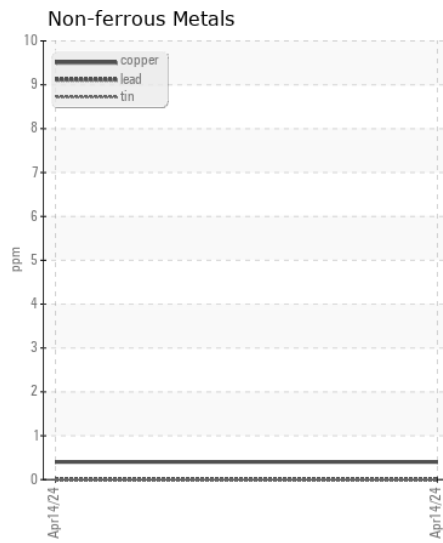
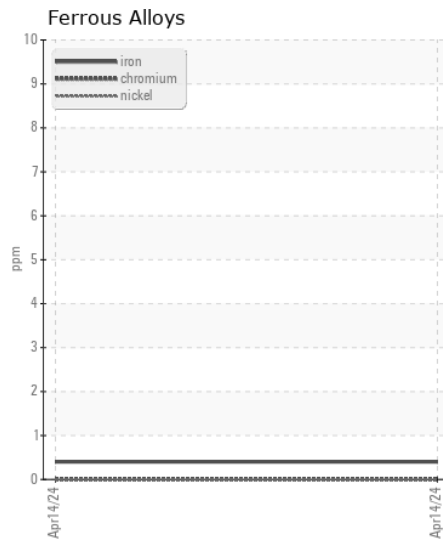
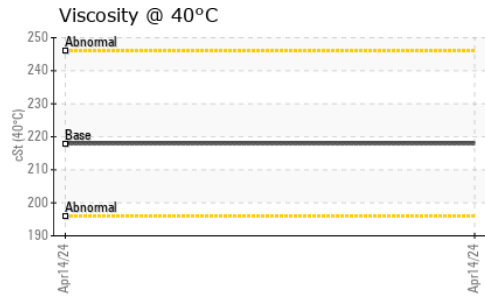
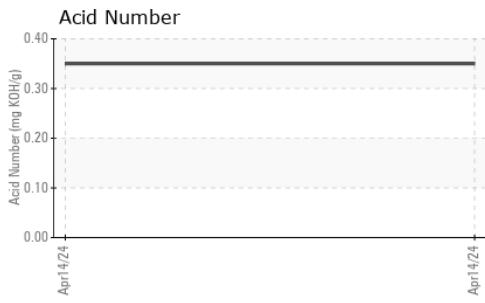
## CONTAMINATION

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>PP</b>	---	---
Sample Date		Client Info		<b>14 Apr 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---
PQ		ASTM D8184*		<b>0</b>	---	---
Iron	ppm	ASTM D5185(m)	>200	<b>&lt;1</b>	---	---
Chromium	ppm	ASTM D5185(m)	>15	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>15	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>0</b>	---	---
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>200	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m)	>25	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silicon	ppm	ASTM D5185(m)	>50	<b>16</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>359</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>2</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>167</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.35</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	217.7	<b>218</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PP **Received** : 26 Apr 2024  
**Lab Number** : 02631753 **Tested** : 26 Apr 2024  
**Unique Number** : 5772906 **Diagnosed** : 26 Apr 2024 - Wes Davis  
**Test Package** : MAR 2 ( Additional Tests: TAN Man )

**KCA Deutag Drilling Canada Inc.**  
 Suite 201, 45 Hebron Way  
 St. John's, NL  
 CA A1A 0P9  
 Contact: Reg Costello  
 Hebron.MaintSuperintendent@kcadeutag.com  
 T: (709)778-6228  
 F: (709)730-1834

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.