



# OIL ANALYSIS REPORT

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

Machine Id  
**KOBELCO 1100G 04174**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0840245</b>	WC0592085	---
Sample Date		Client Info		<b>27 Dec 2023</b>	24 Jun 2022	---
Machine Age	hrs	Client Info		<b>7474</b>	5698	---
Oil Age	hrs	Client Info		<b>311</b>	550	---
Filter Age	hrs	Client Info		<b>311</b>	550	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>3</b>	9	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>20	<b>1</b>	3	---
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	1	---
Copper	ppm	ASTM D5185m	>330	<b>&lt;1</b>	9	---
Tin	ppm	ASTM D5185m	>15	<b>1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

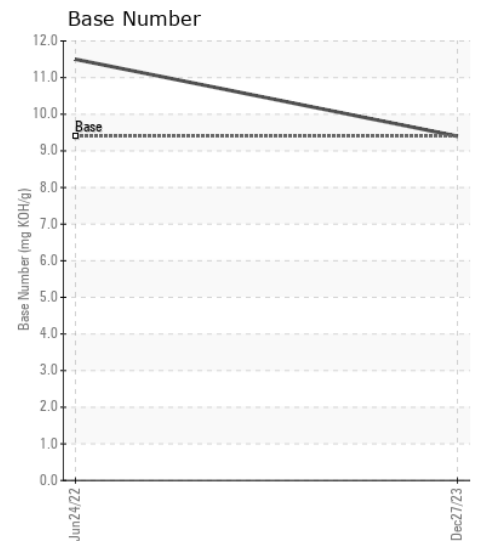
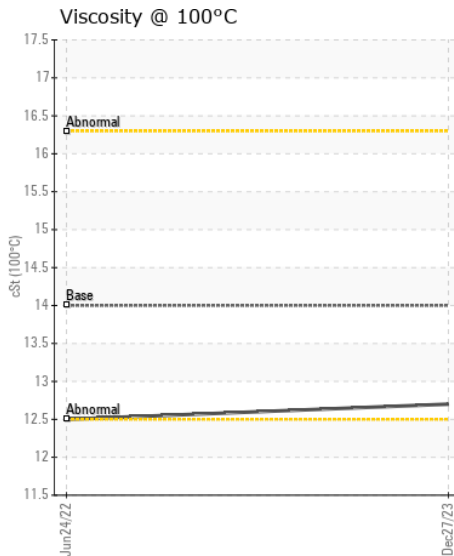
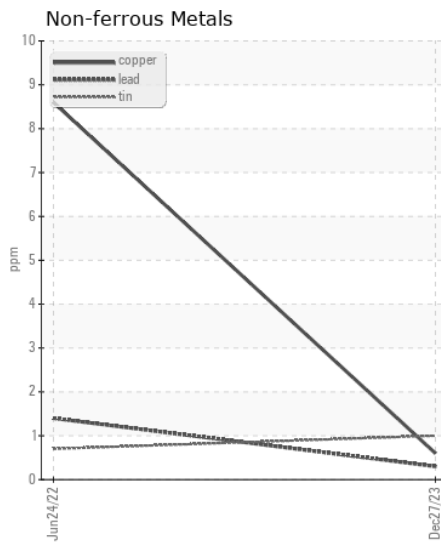
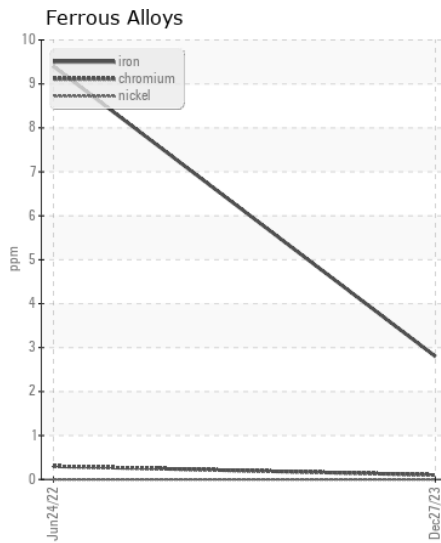
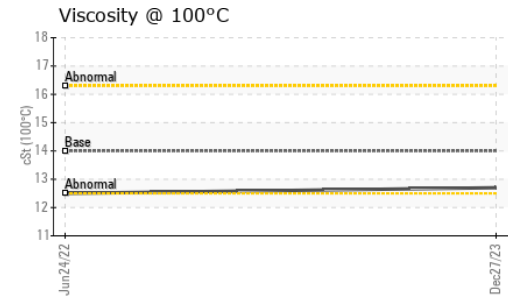
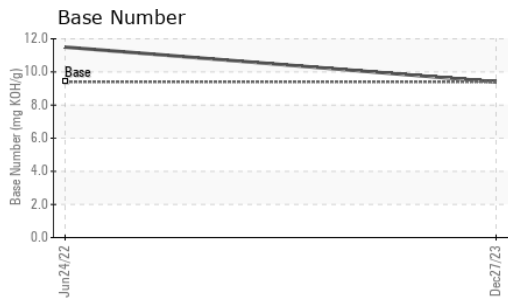
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>4</b>	7	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.2</b>	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.2</b>	8.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.6</b>	24.1	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

## FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>2</b>	<1	---
Boron	ppm	ASTM D5185m	0	<b>54</b>	60	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	1	---
Molybdenum	ppm	ASTM D5185m	0	<b>44</b>	40	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	0	<b>499</b>	468	---
Calcium	ppm	ASTM D5185m		<b>1598</b>	1554	---
Phosphorus	ppm	ASTM D5185m		<b>1014</b>	899	---
Zinc	ppm	ASTM D5185m		<b>1108</b>	1095	---
Sulfur	ppm	ASTM D5185m		<b>2955</b>	2741	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>19.6</b>	21.7	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>9.4</b>	11.5	---
Visc @ 100°C	cSt	ASTM D445	14	<b>12.7</b>	12.5	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0840245 **Received** : 16 Jan 2024  
**Lab Number** : 06060558 **Diagnosed** : 16 Jan 2024  
**Unique Number** : 10831940 **Diagnostician** : Wes Davis  
**Test Package** : CONST ( Additional Tests: TBN )

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)

**THE BAYOU COMPANY LLC**  
 5200 CURTIS LN  
 NEW IBERIA, LA  
 US 70560  
 Contact: LES BORDELON  
 lesb@bayoucompanies.com  
 T: (800)619-4807  
 F: (337)365-9747