



# OIL ANALYSIS REPORT

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

Area

**AAAB IRAQ**

Machine Id

**2000DQKC-2618**

Component

**Genset**

Fluid

**VALVOLINE PREMIUM BLUE (--- LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0860736</b>	---	---
Sample Date		Client Info		<b>22 Feb 2024</b>	---	---
Machine Age	hrs	Client Info		<b>34564</b>	---	---
Oil Age	hrs	Client Info		<b>250</b>	---	---
Filter Age	hrs	Client Info		<b>250</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>0</b>	---	---
Chromium	ppm	ASTM D5185m	>4	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>12	<b>2</b>	---	---
Lead	ppm	ASTM D5185m	>17	<b>1</b>	---	---
Copper	ppm	ASTM D5185m	>70	<b>0</b>	---	---
Tin	ppm	ASTM D5185m	>15	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

## CONTAMINATION

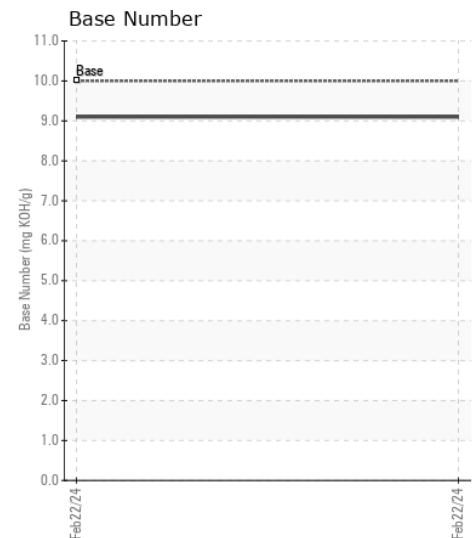
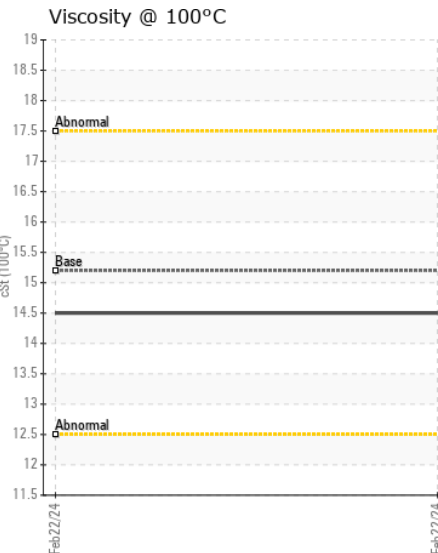
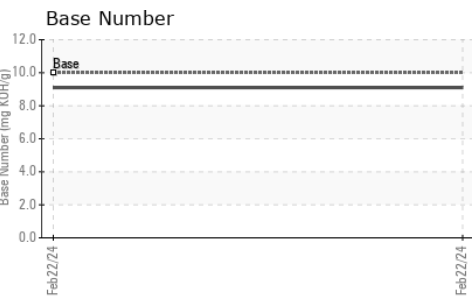
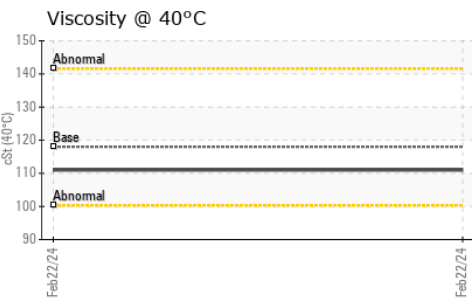
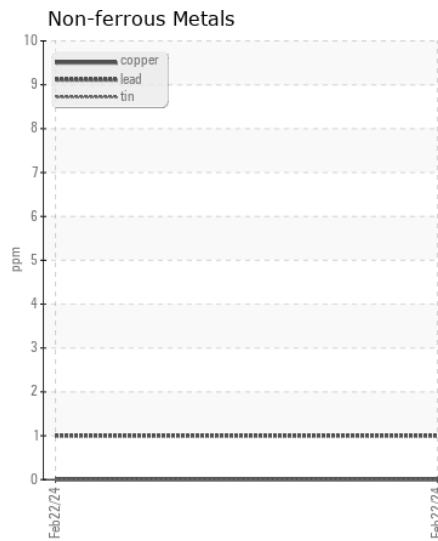
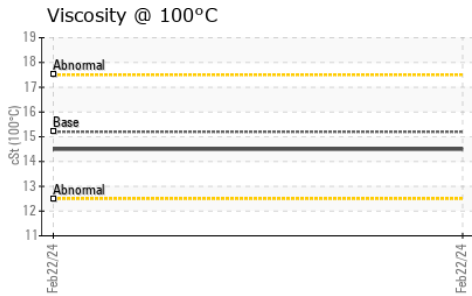
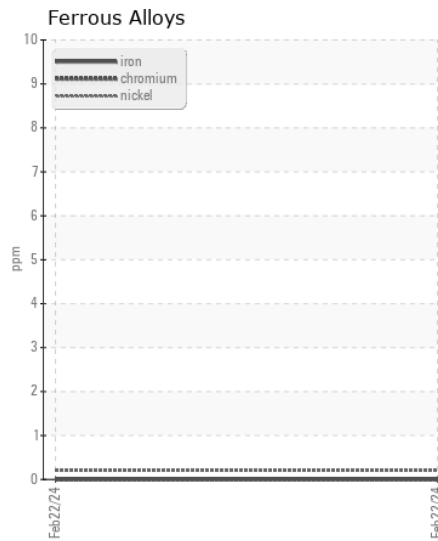
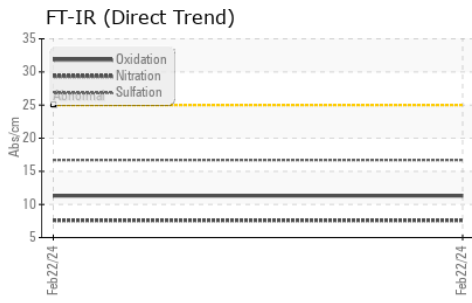
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	---	---
Fuel		WC Method	>4.0	<b>&lt;1.0</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	*ASTM D7844		<b>0.1</b>	---	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.6</b>	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>16.7</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	>0.1	<b>NEG</b>	---	---

## 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>&lt;1</b>	---	---
Boron	ppm	ASTM D5185m	2.9	<b>71</b>	---	---
Barium	ppm	ASTM D5185m	0.1	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	0.0	<b>35</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m	18	<b>26</b>	---	---
Calcium	ppm	ASTM D5185m	2936	<b>3393</b>	---	---
Phosphorus	ppm	ASTM D5185m	998	<b>889</b>	---	---
Zinc	ppm	ASTM D5185m	1095	<b>1023</b>	---	---
Sulfur	ppm	ASTM D5185m	5469	<b>4405</b>	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>11.3</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.0	<b>9.1</b>	---	---
Visc @ 40°C	cSt	ASTM D445	118	<b>111</b>	---	---
Visc @ 100°C	cSt	ASTM D445	15.2	<b>14.5</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270	134	<b>133</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : WC0860736

**Lab Number** : 06145238

**Unique Number** : 10970046

**Test Package** : FLEET ( Additional Tests: KV40, VI )

**Received** : 10 Apr 2024

**Tested** : 11 Apr 2024

**Diagnosed** : 13 Apr 2024 - Don Baldrige

**CUMMINS - PRIME POWER & IPP STRATEGIC ACCOUNTS**

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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)