



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
AAAB IRAQ

Machine Id
2000-4239

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		WC0860695	WC0860678	---
Sample Date		Client Info		26 Jun 2024	07 Jun 2024	---
Machine Age	hrs	Client Info		2315	2065	---
Oil Age	hrs	Client Info		250	250	---
Filter Age	hrs	Client Info		250	250	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	3	0	---
Chromium	ppm	ASTM D5185m	>4	0	0	---
Nickel	ppm	ASTM D5185m	>2	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>5	<1	0	---
Aluminum	ppm	ASTM D5185m	>12	2	0	---
Lead	ppm	ASTM D5185m	>17	1	0	---
Copper	ppm	ASTM D5185m	>70	1	0	---
Tin	ppm	ASTM D5185m	>15	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

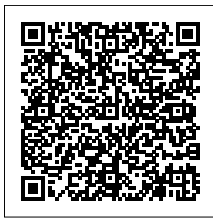
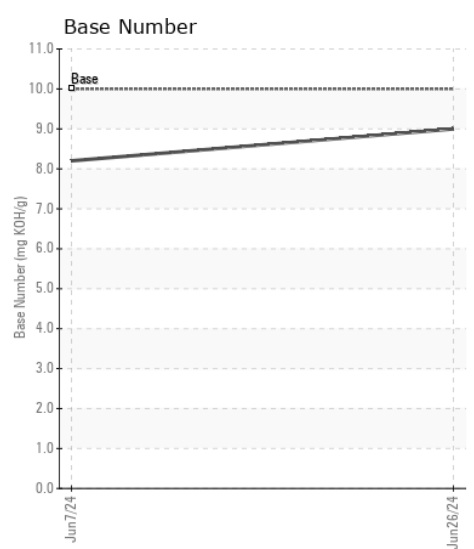
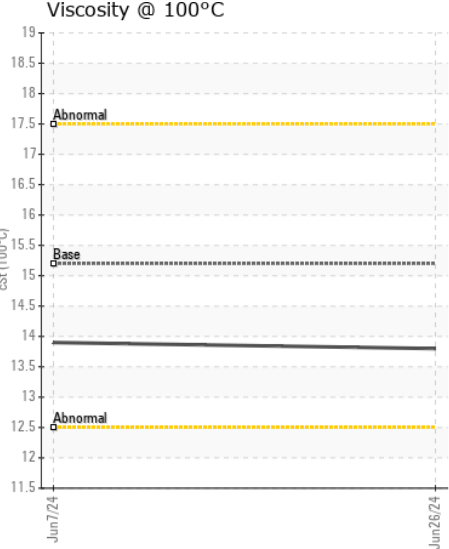
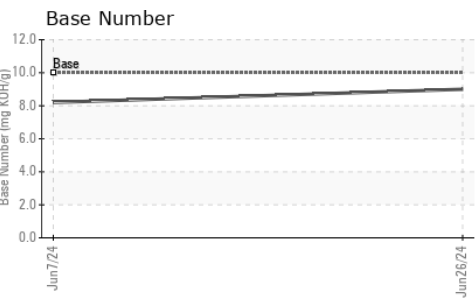
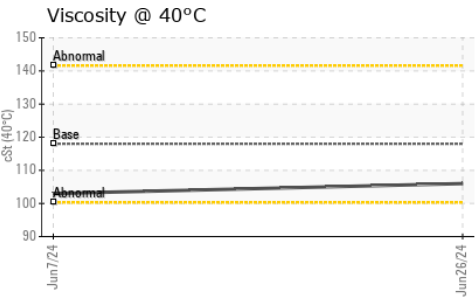
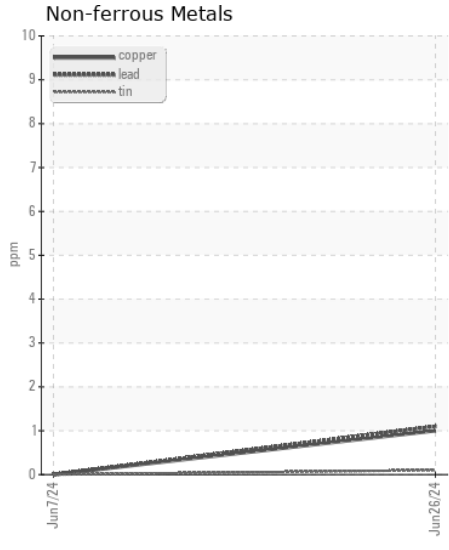
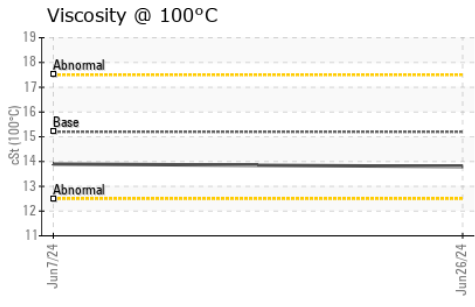
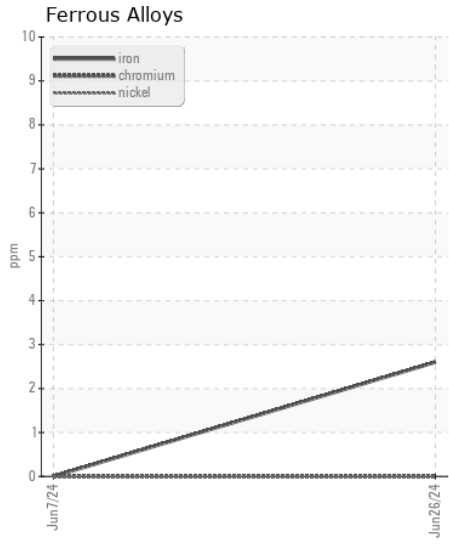
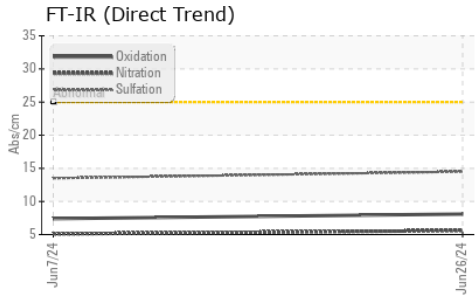
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	4	2	---
Potassium	ppm	ASTM D5185m	>20	<1	0	---
Fuel		WC Method	>4.0	<1.0	<1.0	---
Water		WC Method	>0.1	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844		0.1	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	5.6	5.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	14.5	13.5	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	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		2	0	---
Boron	ppm	ASTM D5185m	2.9	67	62	---
Barium	ppm	ASTM D5185m	0.1	0	0	---
Molybdenum	ppm	ASTM D5185m	0.0	33	28	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m	18	16	18	---
Calcium	ppm	ASTM D5185m	2936	3388	3350	---
Phosphorus	ppm	ASTM D5185m	998	849	883	---
Zinc	ppm	ASTM D5185m	1095	967	1030	---
Sulfur	ppm	ASTM D5185m	5469	4128	4595	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	8.1	7.4	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.0	9.0	8.2	---
Visc @ 40°C	cSt	ASTM D445	118	106	103	---
Visc @ 100°C	cSt	ASTM D445	15.2	13.8	13.9	---
Viscosity Index (VI)	Scale	ASTM D2270	134	130	136	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0860695 **Received** : 15 Jul 2024
Lab Number : 06235323 **Tested** : 15 Jul 2024
Unique Number : 11124157 **Diagnosed** : 15 Jul 2024 - Sean Felton
Test Package : FLEET (Additional Tests: KV40, VI)

CUMMINS - PRIME POWER & IPP STRATEGIC ACCOUNTS
 3850 N VICTORIA ST
 SHOREVIEW, MN
 US 55126
 Contact: Harsha Padigae
 hpadigae@louisberger.com

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)

T: (964)780-7579134

F: x: