



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
G40
Component
Natural Gas Engine
Fluid
15W40 CNG (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0841406	WC0841404	---
Sample Date		Client Info		09 Jan 2024	29 Sep 2023	---
Machine Age	hrs	Client Info		7006	6476	---
Oil Age	hrs	Client Info		526	496	---
Filter Age	hrs	Client Info		526	496	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	4	3	---
Chromium	ppm	ASTM D5185m	>4	<1	0	---
Nickel	ppm	ASTM D5185m	>2	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>9	4	1	---
Lead	ppm	ASTM D5185m	>30	<1	0	---
Copper	ppm	ASTM D5185m	>35	2	1	---
Tin	ppm	ASTM D5185m	>4	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

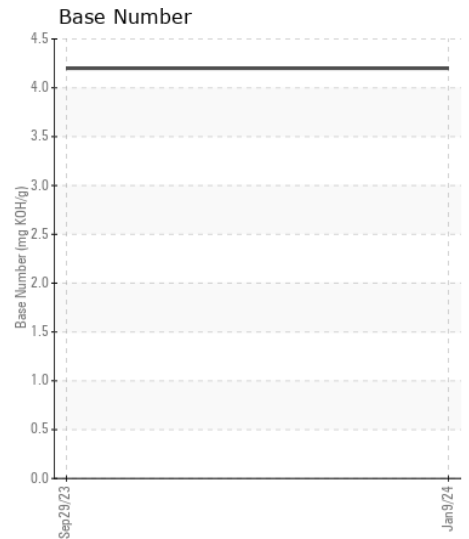
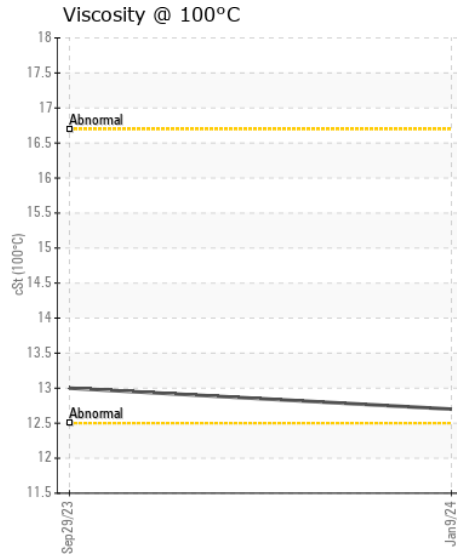
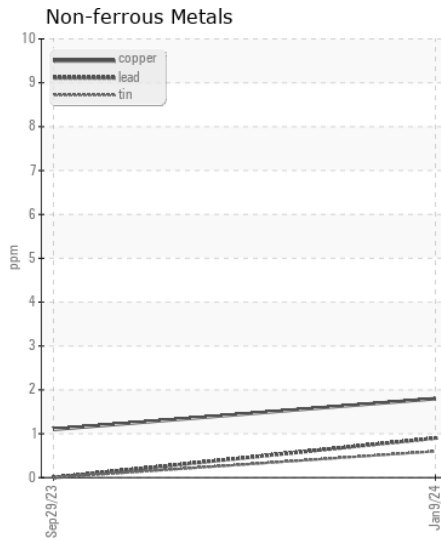
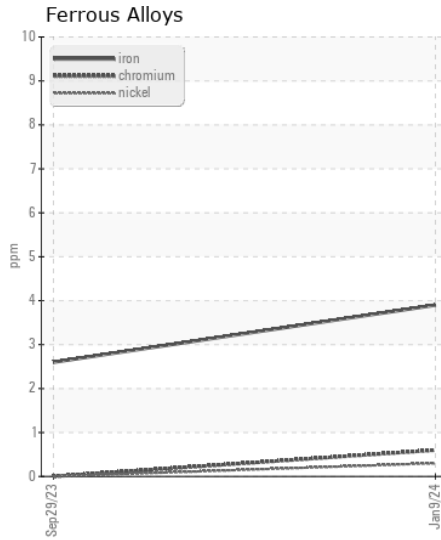
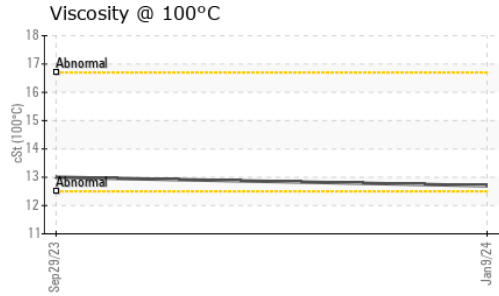
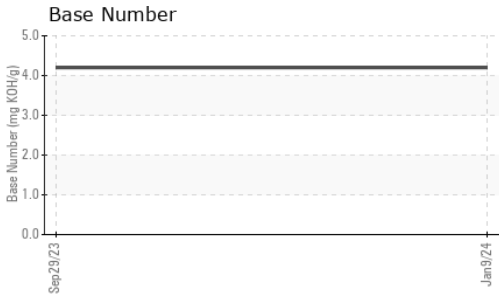
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	5	5	---
Potassium	ppm	ASTM D5185m	>20	2	8	---
Water		WC Method	>0.1	NEG	NEG	---
Soot %	%	*ASTM D7844		0	0	---
Nitration	Abs/cm	*ASTM D7624	>20	7.4	7.0	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.2	16.8	---
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		3	7	---
Boron	ppm	ASTM D5185m		76	50	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		124	117	---
Manganese	ppm	ASTM D5185m		0	0	---
Magnesium	ppm	ASTM D5185m		100	86	---
Calcium	ppm	ASTM D5185m		2106	1914	---
Phosphorus	ppm	ASTM D5185m		855	750	---
Zinc	ppm	ASTM D5185m		1043	942	---
Sulfur	ppm	ASTM D5185m		3931	3267	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	10.4	10.3	---
Base Number (BN)	mg KOH/g	ASTM D2896		4.2	4.2	---
Visc @ 100°C	cSt	ASTM D445		12.7	13.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0841406 **Received** : 30 Jan 2024
Lab Number : 06073672 **Diagnosed** : 30 Jan 2024
Unique Number : 10850349 **Diagnostician** : Wes Davis
Test Package : CONST (Additional Tests: TBN)

Apple Valley Waste - SEW Location
 309 Salina Road
 Sewell, NJ
 US 08080
 Contact: Service Manager

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)

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F: