



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

Abner Gap 1

Component

Natural Gas Engine

Fluid

CITGO PACEMAKER GAS ENGINE 1700 SERIES 40W (50 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0117225	PCA0117227	PCA0111855
Sample Date		Client Info		08 Jul 2024	03 May 2024	03 Apr 2024
Machine Age	hrs	Client Info		142046	140475	139792
Oil Age	hrs	Client Info		142046	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	5	6	5
Chromium	ppm	ASTM D5185m	>4	0	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	<1	1
Lead	ppm	ASTM D5185m	>30	3	5	4
Copper	ppm	ASTM D5185m	>35	2	3	2
Tin	ppm	ASTM D5185m	>4	0	1	2
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

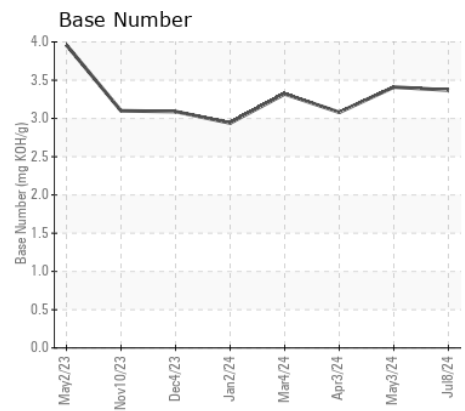
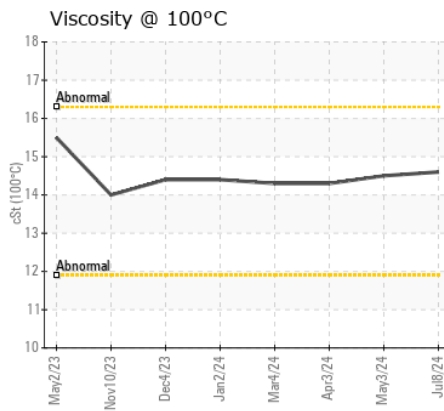
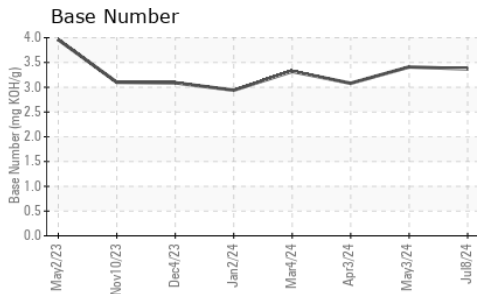
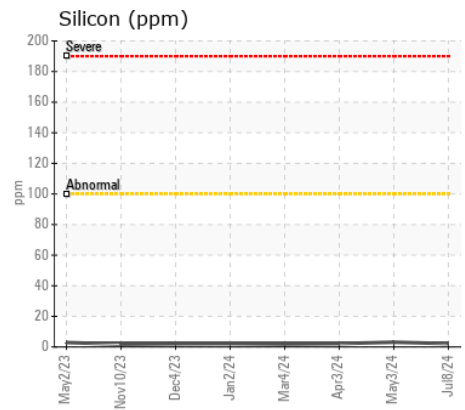
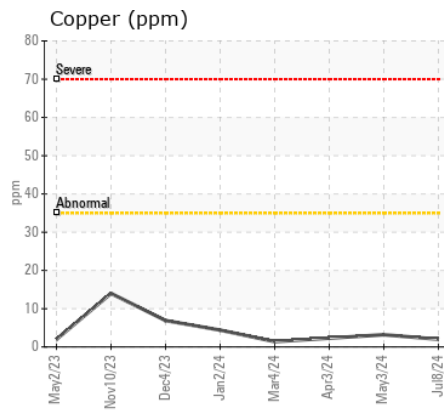
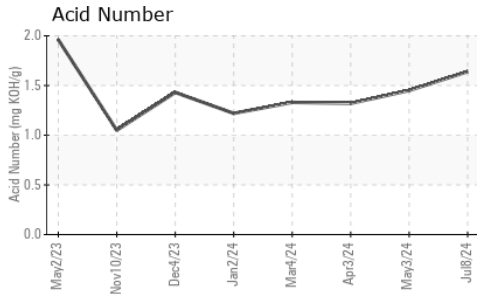
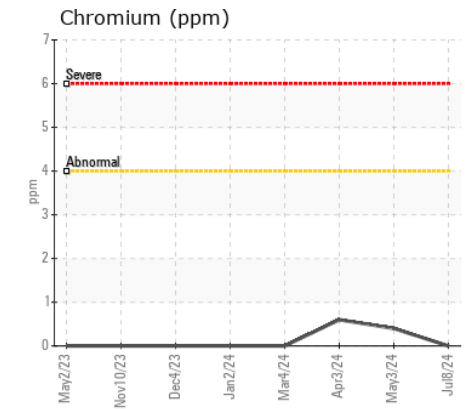
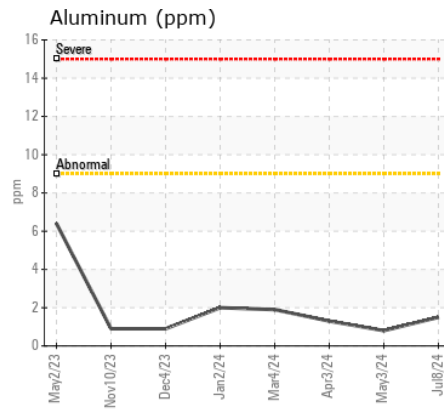
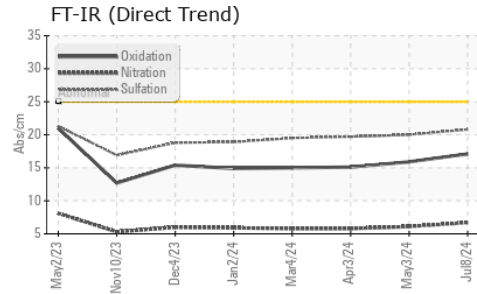
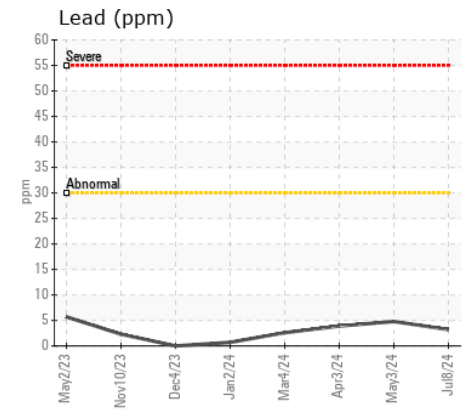
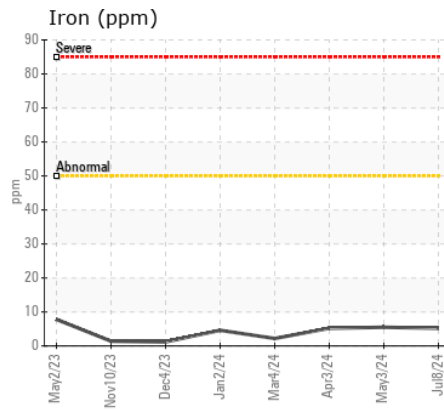
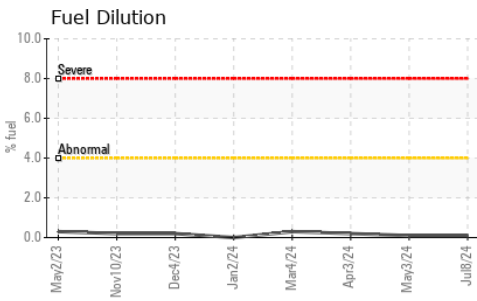
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	2	3	2
Potassium	ppm	ASTM D5185m	>20	3	5	3
Fuel	%	ASTM D3524	>4.0	0.1	0.1	0.2
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	*ASTM D7844		0	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.7	6.1	5.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	20.0	19.7
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		3	0	0
Boron	ppm	ASTM D5185m		2	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		8	7	7
Calcium	ppm	ASTM D5185m		1810	1659	1645
Phosphorus	ppm	ASTM D5185m		351	376	357
Zinc	ppm	ASTM D5185m		488	489	453
Sulfur	ppm	ASTM D5185m		3140	3186	2775
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.1	15.9	15.1
Acid Number (AN)	mg KOH/g	ASTM D8045		1.64	1.45	1.32
Base Number (BN)	mg KOH/g	ASTM D2896		3.37	3.41	3.08
Visc @ 100°C	cSt	ASTM D445		14.6	14.5	14.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0117225 **Received** : 16 Jul 2024
Lab Number : 06237976 **Tested** : 17 Jul 2024
Unique Number : 11126810 **Diagnosed** : 17 Jul 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel)

ENERVEST OPERATING - ABNER GAP
 7556 SANDLICK ROAD
 BEE, VA
 US 24217
 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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