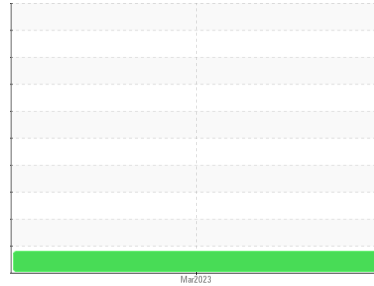




OIL ANALYSIS REPORT

Sample Rating Trend



FUEL



Machine Id
19
 Component
Gasoline Engine
 Fluid
NAPA (--- GAL)

DIAGNOSIS

▲ Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

▲ Contamination

Light fuel dilution occurring.

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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0788698	---	---
Sample Date	Client Info	01 Mar 2023	---	---
Machine Age	mls Client Info	179633	---	---
Oil Age	mls Client Info	1200	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		MARGINAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	---	---
Glycol	WC Method	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >150	6	---	---
Chromium ppm	ASTM D5185m >20	<1	---	---
Nickel ppm	ASTM D5185m >5	0	---	---
Titanium ppm	ASTM D5185m	0	---	---
Silver ppm	ASTM D5185m >2	0	---	---
Aluminum ppm	ASTM D5185m >40	2	---	---
Lead ppm	ASTM D5185m >50	0	---	---
Copper ppm	ASTM D5185m >155	<1	---	---
Tin ppm	ASTM D5185m >10	<1	---	---
Vanadium ppm	ASTM D5185m	0	---	---
Cadmium ppm	ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	31	---	---
Barium ppm	ASTM D5185m	0	---	---
Molybdenum ppm	ASTM D5185m	45	---	---
Manganese ppm	ASTM D5185m	<1	---	---
Magnesium ppm	ASTM D5185m	272	---	---
Calcium ppm	ASTM D5185m	668	---	---
Phosphorus ppm	ASTM D5185m	386	---	---
Zinc ppm	ASTM D5185m	455	---	---
Sulfur ppm	ASTM D5185m	1272	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >30	7	---	---
Sodium ppm	ASTM D5185m >400	4	---	---
Potassium ppm	ASTM D5185m >20	<1	---	---
Fuel %	ASTM D3524 >4.0	▲ 2.0	---	---

INFRA-RED

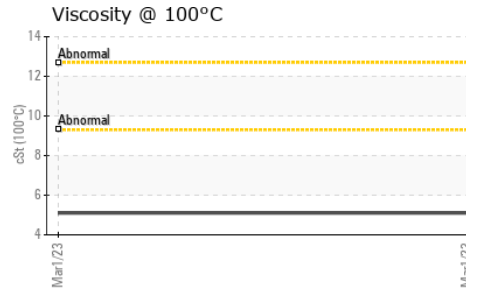
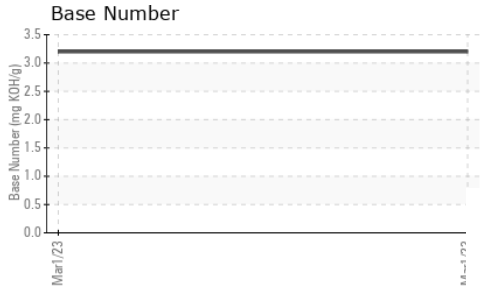
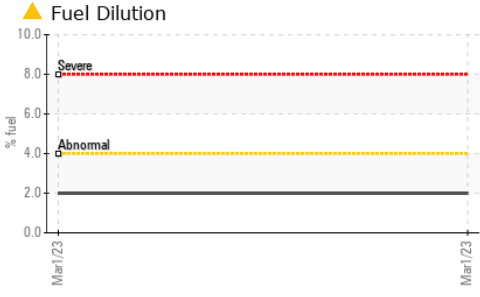
method	limit/base	current	history1	history2
Soot %	*ASTM D7844	0.1	---	---
Nitration Abs/cm	*ASTM D7624 >20	7.2	---	---
Sulfation Abs/.1mm	*ASTM D7415 >30	20.4	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation Abs/.1mm	*ASTM D7414 >25	21.8	---	---
Base Number (BN) mg KOH/g	ASTM D2896	3.2	---	---



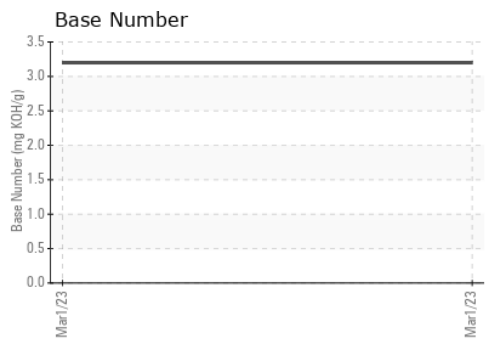
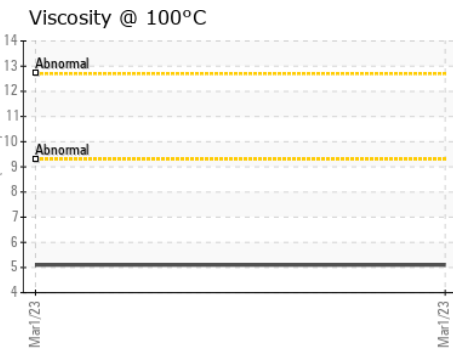
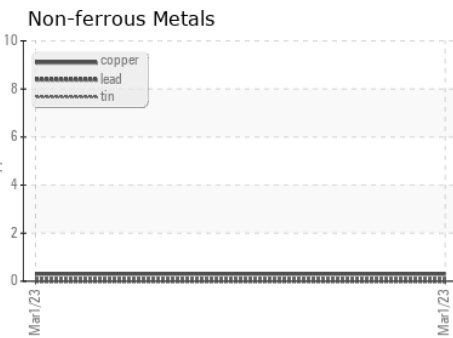
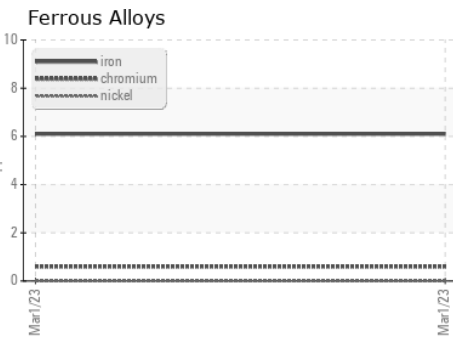
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	5.1	---	---

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0788698 **Received** : 20 Mar 2023
Lab Number : 05796507 **Tested** : 27 Mar 2023
Unique Number : 10386191 **Diagnosed** : 27 Mar 2023 - Jonathan Hester
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

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 US 14886
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 corky@ehrhartenergy.com
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 F:

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)