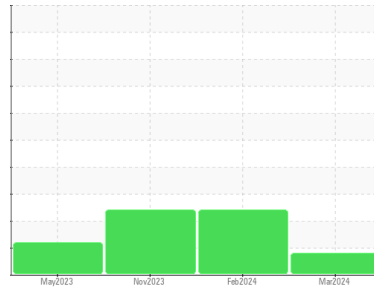




OIL ANALYSIS REPORT

Sample Rating Trend



FUEL



Machine Id
CHEVROLET 3500HD T3 (S/N 1GCHK84609F139100)
 Component
Diesel Engine
 Fluid
NAPA CONVENTIONAL 15W40 (10 QTS)

DIAGNOSIS

Recommendation

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

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		TR06144507	TR06098659	TR06011666
Sample Date	Client Info		20 Mar 2024	13 Feb 2024	01 Nov 2023
Machine Age	mls	Client Info	58511	58001	56846
Oil Age	mls	Client Info	510	1155	1755
Oil Changed	Client Info		Not Chngd	Not Chngd	Changed
Sample Status			MARGINAL	SEVERE	SEVERE

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	2	7	4
Chromium	ppm	ASTM D5185m >20	0	<1	0
Nickel	ppm	ASTM D5185m >4	0	<1	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m >3	0	0	0
Aluminum	ppm	ASTM D5185m >20	<1	3	<1
Lead	ppm	ASTM D5185m >40	0	<1	0
Copper	ppm	ASTM D5185m >330	<1	1	<1
Tin	ppm	ASTM D5185m >15	0	<1	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1	<1	<1
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	57	8	52
Manganese	ppm	ASTM D5185m	0	<1	<1
Magnesium	ppm	ASTM D5185m	882	145	848
Calcium	ppm	ASTM D5185m	1383	2970	922
Phosphorus	ppm	ASTM D5185m	1022	727	931
Zinc	ppm	ASTM D5185m	1180	867	1095
Sulfur	ppm	ASTM D5185m	3742	3003	2689

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	6	10	6
Sodium	ppm	ASTM D5185m	0	2	2
Potassium	ppm	ASTM D5185m >20	0	3	0
Fuel	%	ASTM D3524 >5	▲ 2.1	▲ 8.8	▲ 9.5

INFRA-RED

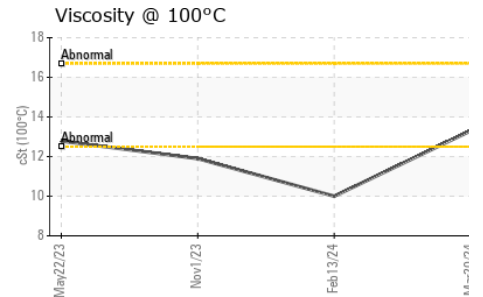
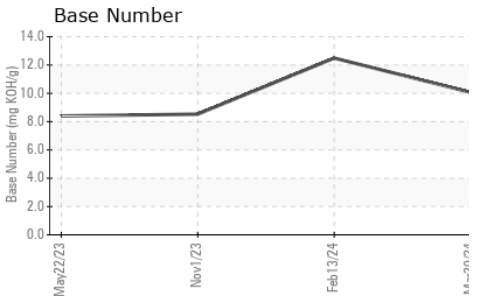
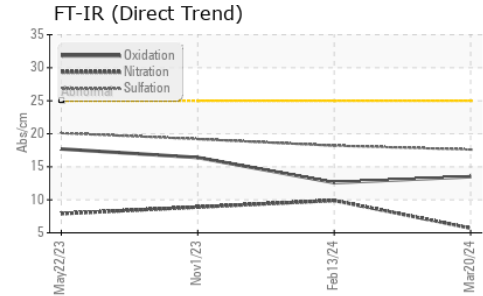
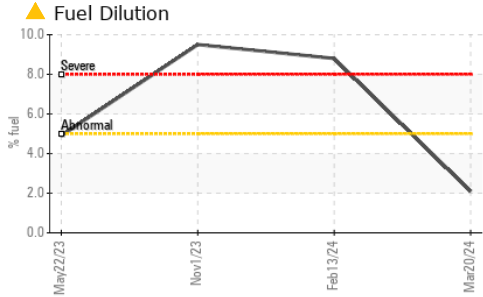
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	0.1	0.4	0.5
Nitration	Abs/cm	*ASTM D7624 >20	5.7	9.9	8.9
Sulfation	Abs/.1mm	*ASTM D7415 >30	17.6	18.2	19.2

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	13.5	12.6	16.4
Base Number (BN)	mg KOH/g	ASTM D2896	10.07	12.49	8.53



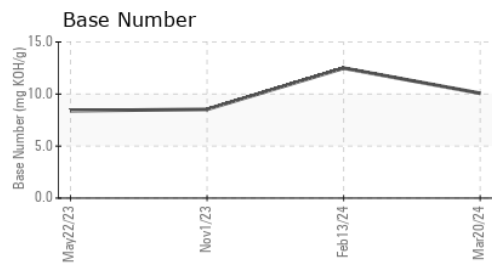
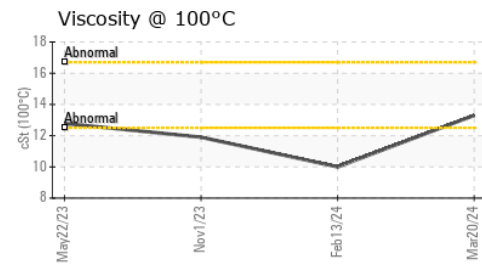
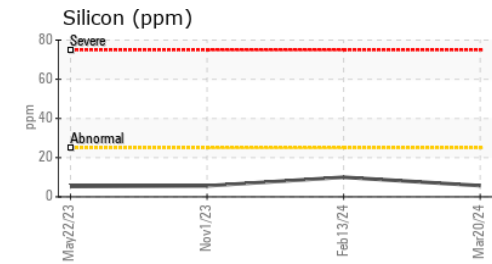
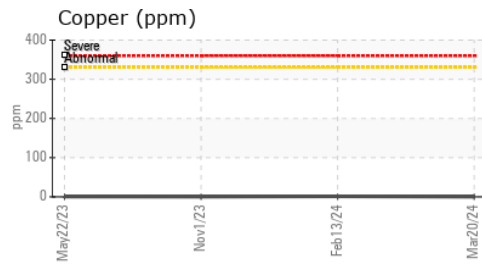
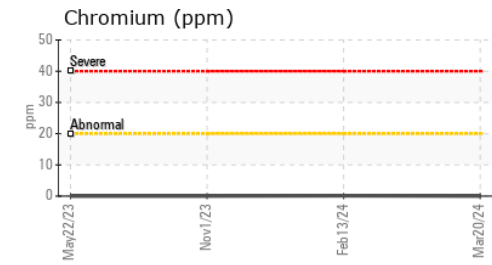
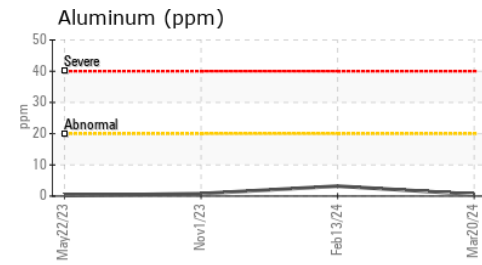
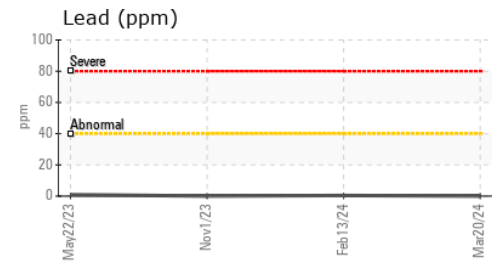
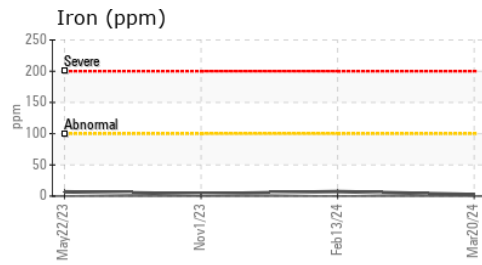
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
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	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	13.3	▲ 10.0	▲ 11.9

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR06144507 **Received** : 10 Apr 2024
Lab Number : 06144507 **Tested** : 12 Apr 2024
Unique Number : 10969315 **Diagnosed** : 12 Apr 2024 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: PercentFuel)

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 WEST LEBANON, NH
 US 03784
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 SCOTT.CAREY@LEBANONNH.GOV

To discuss this sample report, contact Customer Service at 1-800-827-0711.
 * - 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)