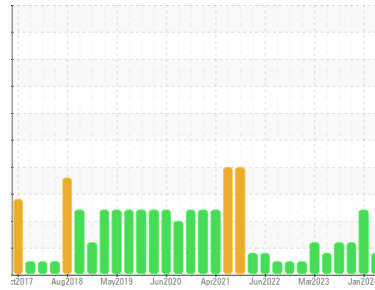




OIL ANALYSIS REPORT

Sample Rating Trend



FUEL



Machine Id
2017 CHEVROLET A-3
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 LE 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. No other contaminants were detected in the oil.

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		WC0871803	WC0871817	WC0819747
Sample Date	Client Info		01 Apr 2024	10 Jan 2024	28 Aug 2023
Machine Age	mls	Client Info	255794	248720	239187
Oil Age	mls	Client Info	7074	9531	7500
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			MARGINAL	ABNORMAL	ABNORMAL

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	47	84	53
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	4	2
Lead	ppm	ASTM D5185m	>40	4	16	15
Copper	ppm	ASTM D5185m	>330	1	2	3
Tin	ppm	ASTM D5185m	>15	2	<1	1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		180	124	135
Barium	ppm	ASTM D5185m		0	6	0
Molybdenum	ppm	ASTM D5185m		104	140	115
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		602	597	629
Calcium	ppm	ASTM D5185m		1448	1287	1480
Phosphorus	ppm	ASTM D5185m	1200	664	596	657
Zinc	ppm	ASTM D5185m	1300	758	797	829
Sulfur	ppm	ASTM D5185m	3200	2632	1952	2402

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	16	22	16
Sodium	ppm	ASTM D5185m		2	0	2
Potassium	ppm	ASTM D5185m	>20	1	2	3
Fuel	%	ASTM D3524	>5	▲ 3.8	▲ 8.0	▲ 5.6

INFRA-RED

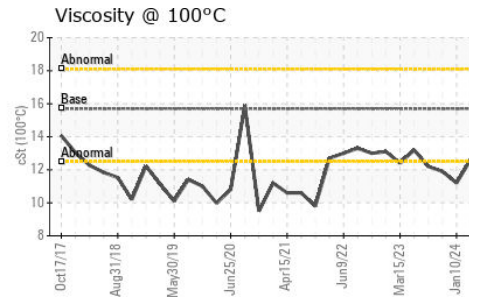
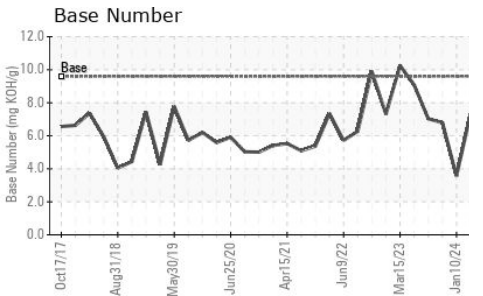
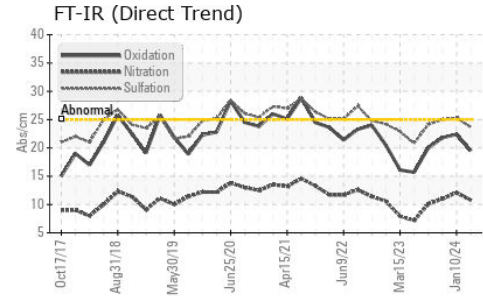
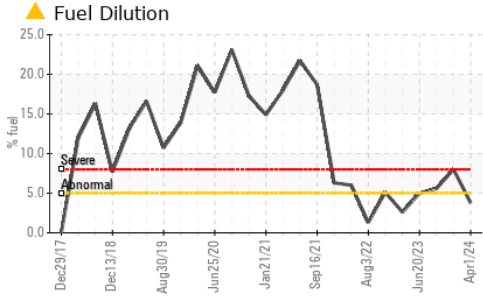
	method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	1	1.4	1
Nitration	Abs/cm	*ASTM D7624	>20	10.8	12.1	11.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.7	25.3	25.0

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.5	22.4	21.8
Base Number (BN)	mg KOH/g	ASTM D2896	9.6	7.32	▲ 3.58	6.79



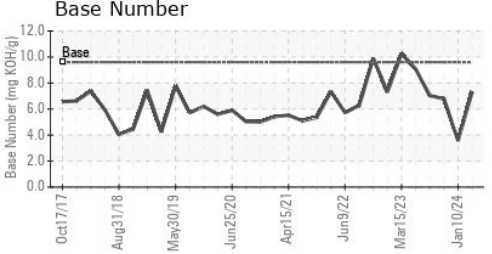
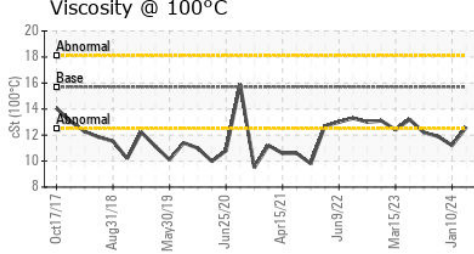
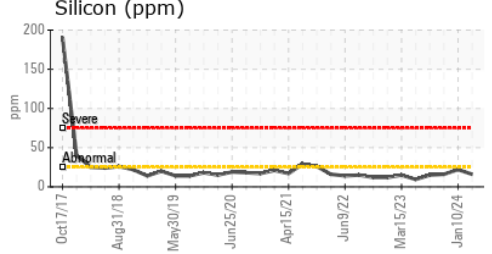
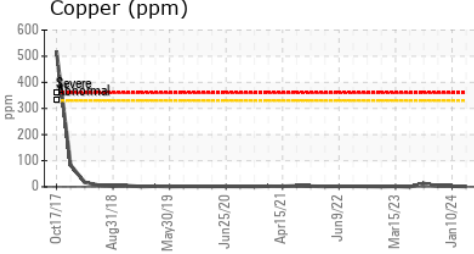
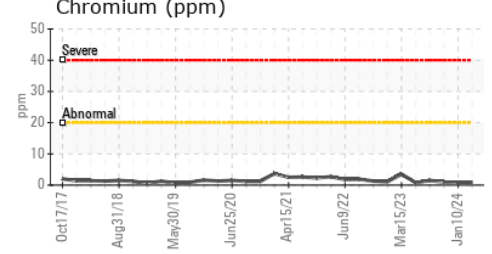
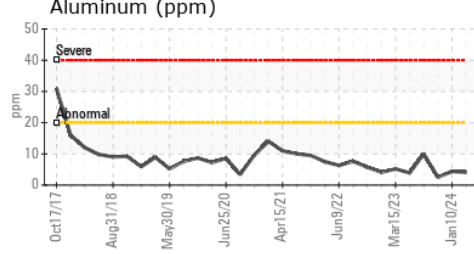
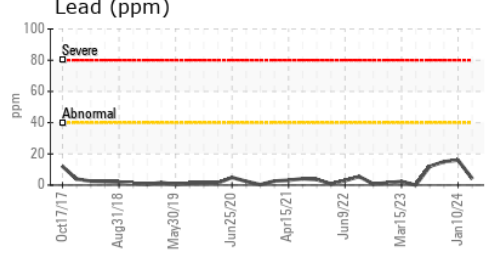
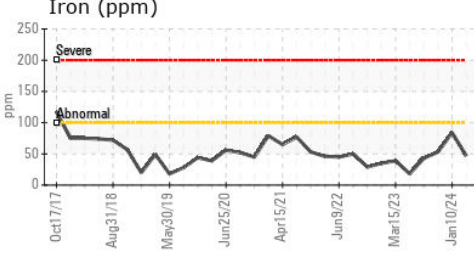
OIL ANALYSIS REPORT



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	15.7	12.6	▲ 11.2 ▲ 11.9

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0871803 **Received** : 15 Apr 2024
Lab Number : 06149589 **Tested** : 19 Apr 2024
Unique Number : 10979667 **Diagnosed** : 19 Apr 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: PercentFuel)

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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)