

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **322004**

Front Center Gasoline Engine

CHEVRON DELO 400 XLE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

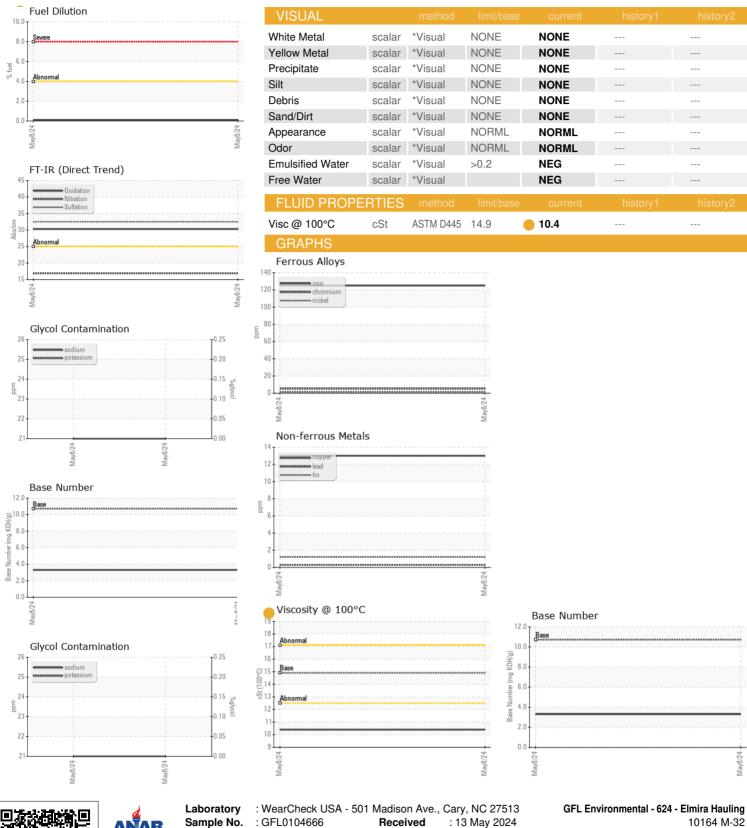
Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

		L		May2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0104666		
Sample Date		Client Info		08 May 2024		
Machine Age	hrs	Client Info		7076		
Oil Age	hrs	Client Info		7076		
Oil Changed	1113	Client Info		Changed		
Sample Status		Oliciti IIIIo		ATTENTION		
CONTAMINA	TION	method	limit/base	current	history1	history2
Water	HON	WC Method	>0.2	NEG		
WEAR META	I Q	method	limit/base	current	history1	history2
						HISTOLYZ
Iron	ppm	ASTM D5185m	>150	125		
Chromium	ppm	ASTM D5185m		5		
Nickel	ppm	ASTM D5185m	>5	1		
Titanium	ppm	ASTM D5185m		2		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>40	20		
Lead	ppm	ASTM D5185m	>50	<1		
Copper	ppm	ASTM D5185m	>155	13		
Tin	ppm	ASTM D5185m	>10	1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		31		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		70		
Manganese	ppm	ASTM D5185m		6		
Magnesium	ppm	ASTM D5185m		445		
Calcium	ppm	ASTM D5185m		1266		
Phosphorus	ppm	ASTM D5185m	760	636		
Zinc	ppm	ASTM D5185m	830	780		
Sulfur	ppm	ASTM D5185m	2770	2925		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	21		
Sodium	ppm	ASTM D5185m	>400	21		
Potassium	ppm	ASTM D5185m	>20	21		
Fuel	%	ASTM D3524	>4.0	0.1		
Glycol	%	*ASTM D2982		NEG		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1		
Nitration	Abs/cm	*ASTM D7624	>20	16.9		
Sulfation	Abs/.1mm	*ASTM D7415	>30	32.5		
FLUID DEGRA	ADATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	30.3		
Base Number (BN)		ASTM D2896	10.7	3.3		
(514)	911011/9			0.0		



OIL ANALYSIS REPORT





Certificate 12367

Sample No.

Lab Number : 06178215

: GFL0104666 Unique Number : 11029541

Received **Tested** Diagnosed

: 13 May 2024 : 17 May 2024

: 17 May 2024 - Jonathan Hester Test Package: FLEET (Additional Tests: FuelDilution, Glycol, PercentFuel)

Elmira, MI US 49730 Contact: ANDY GROBASKI andyg@americanwaste.org T: (989)370-2941

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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)