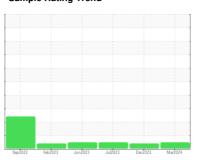


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



254000-1100

Component

Gasoline Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

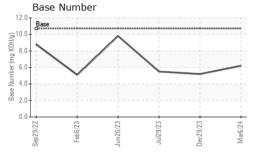
Fluid Condition

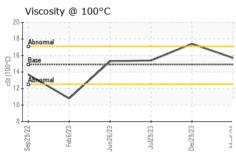
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

)		Sep2022	Feb 2023 Jun 2023	Jul2023 Dec2023	Mar2024	
SAMPLE INFORI	MATION		limit/base	current	history1	history2
Sample Number		Client Info		GFL0104659	GFL0096324	GFL0064478
Sample Date		Client Info		06 Mar 2024	29 Dec 2023	29 Jul 2023
Machine Age	mls	Client Info		202509	198580	187608
Oil Age	mls	Client Info		198580	187608	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	14	43	29
Chromium	ppm	ASTM D5185m	>20	<1	2	1
Nickel	ppm	ASTM D5185m	>5	0	<1	<1
Titanium	ppm	ASTM D5185m		11	10	8
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m		3	6	4
Lead	ppm	ASTM D5185m	>50	0	<1	0
Copper	ppm	ASTM D5185m		17	28	24
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		73	40	54
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		47	56	82
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m		673	686	633
Calcium	ppm	ASTM D5185m	700	1507	1457	1427
Phosphorus Zinc	ppm	ASTM D5185m ASTM D5185m	760 830	659 817	698 818	629 871
Sulfur	ppm	ASTM D5185m	2770	3224	2871	2991
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	5	8	9
Sodium	ppm	ASTM D5185m	>400	3	5	2
Potassium	ppm	ASTM D5185m	>20	2	2	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	13.7	18.7	16.6
Sulfation	Abs/.1mm	*ASTM D7415		25.2	33.0	30.3
FLUID DEGRA	NOITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.9	34.2	29.9
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	6.2	5.2	5.5



OIL ANALYSIS REPORT

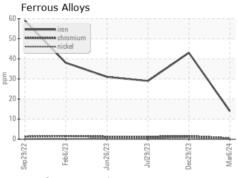


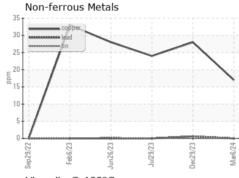


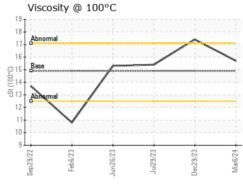
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

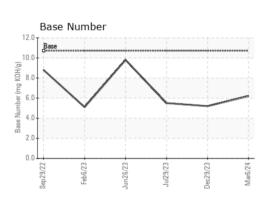
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	14.9	15.7	<u></u> 17.4	15.4

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number : 06116363 Unique Number : 10925196

: GFL0104659

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Mar 2024 **Tested** : 13 Mar 2024

Diagnosed : 13 Mar 2024 - Wes Davis

GFL Environmental - 624 - Elmira Hauling

10164 M-32 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.

* - 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)

Report Id: GFL624 [WUSCAR] 06116363 (Generated: 03/13/2024 16:32:28) Rev: 1