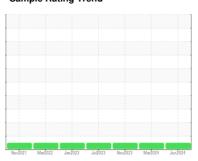


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **123018-816**

Component

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

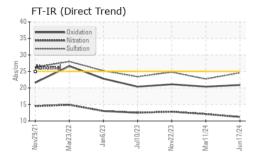
Fluid Condition

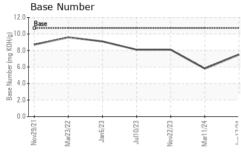
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

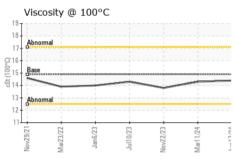
)		Nov2021	Mar2022 Jan2023	Jul2023 Nov2023 Mar2024	Jun2024	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0122766	GFL0110967	GFL0096115
Sample Date		Client Info		17 Jun 2024	11 Mar 2024	22 Nov 2023
Machine Age	hrs	Client Info		14515	13915	13315
Oil Age	hrs	Client Info		500	748	600
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>2.0	<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	>100	14	12	22
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	1	<1	1
Titanium	ppm	ASTM D5185m		7	13	10
Silver	ppm	ASTM D5185m	>3	<1	<1	0
Aluminum	ppm	ASTM D5185m	>20	5	3	5
Lead	ppm	ASTM D5185m	>40	10	9	14
Copper	ppm	ASTM D5185m		3	2	29
Tin	ppm	ASTM D5185m	>15	2	2	2
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		159	50	68
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		75	41	65
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m		560	755	699
Calcium	ppm	ASTM D5185m	700	1496	1651	1590
Phosphorus	ppm	ASTM D5185m	760	939	786	785
Zinc	ppm	ASTM D5185m	830	1103	917	895
Sulfur	ppm	ASTM D5185m	2770	3247	3889	2947
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	7	15
Sodium	ppm	ASTM D5185m ASTM D5185m	. 20	2	3	6
Potassium	ppm			5	6	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	0.7	1.2
Nitration	Abs/cm	*ASTM D7624	>20	11.2	12.1	12.8
Sulfation	Abs/.1mm	*ASTM D7415		24.6	22.7	24.8
FLUID DEGRAD			limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.9	20.4	21.1
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	7.5	5.8	8.1

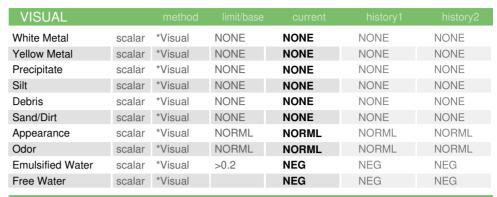


OIL ANALYSIS REPORT



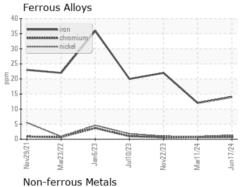


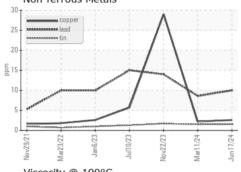


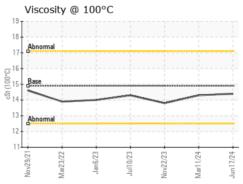


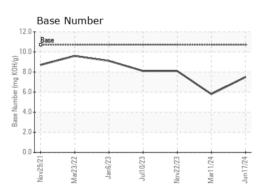
FLUID PROPI	ERHES	method				history2
Visc @ 100°C	cSt	ASTM D445	14.9	14.4	14.3	13.8

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: GFL0122766 Lab Number : 06217803 Unique Number : 11096000

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Jun 2024

Tested : 25 Jun 2024 Diagnosed : 25 Jun 2024 - Wes Davis

GFL Environmental - 629 - Northern A1 3947 US 131 N Kalkaska, MI US 49646-8428

Contact: MITCH HERSHBERGER

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) T: (231)624-0848

Report Id: GFL629 [WUSCAR] 06217803 (Generated: 06/25/2024 07:47:49) Rev: 1

Submitted By: Mitch Hershberger