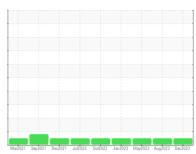


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 124007-630

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

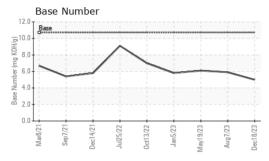
Fluid Condition

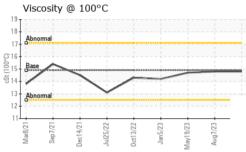
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		Mar2021 Sep	2021 Dec2021 Jul2022	Oct2022 Jan2023 May2023 Aug20	23 Dec2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0096102	GFL0084518	GFL0073494	
Sample Date		Client Info		18 Dec 2023	07 Aug 2023	19 May 2023	
Machine Age	hrs	Client Info		0	16764	15886	
Oil Age	hrs	Client Info		0	2250	1372	
Oil Changed	0	Client Info		Changed	Changed	Changed	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2	
Fuel		WC Method	>5	<1.0	<1.0	<1.0	
Water		WC Method		NEG	NEG	NEG	
Glycol		WC Method	20.L	NEG	NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2	
		ASTM D5185m			18	21	
Iron	ppm			23 <1		1	
Chromium Nickel	ppm	ASTM D5185m		0	<1 0	<1	
	ppm	ASTM D5185m	>2				
Titanium	ppm	ASTM D5185m	>2	11	16	15	
Silver	ppm	ASTM D5185m		0	0	0	
Aluminum	ppm	ASTM D5185m		4	3	4	
Lead	ppm	ASTM D5185m	>45	32	28	30	
Copper	ppm	ASTM D5185m		1	1	<1	
Tin	ppm	ASTM D5185m	>4	<1	<1	1	
Vanadium	ppm	ASTM D5185m		<1	<1	<1	
Cadmium	ppm	ASTM D5185m		<1	<1	<1	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		76	51	63	
Barium	ppm	ASTM D5185m		0	0	0	
Molybdenum	ppm	ASTM D5185m		70	48	46	
Manganese	ppm	ASTM D5185m		<1	<1	<1	
Magnesium	ppm	ASTM D5185m		784	848	823	
Calcium	ppm	ASTM D5185m		1759	1931	1888	
Phosphorus	ppm	ASTM D5185m	760	930	784	754	
Zinc	ppm	ASTM D5185m	830	1100	997	963	
Sulfur	ppm	ASTM D5185m	2770	3454	3871	3903	
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>30	7	5	8	
Sodium	ppm	ASTM D5185m		6	6	6	
Potassium	ppm	ASTM D5185m	>20	6	5	7	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.5	0.4	0.5	
Nitration	Abs/cm	*ASTM D7624	>20	13.8	13.2	14.7	
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.8	26.4	27.6	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	26.6	24.2	26.0	
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	5.0	5.9	6.1	
Dase Mullibel (DIN)	ilig NOI1/g	AOTIVI DZ030	10.7	5.0	0.0	0.1	



OIL ANALYSIS REPORT

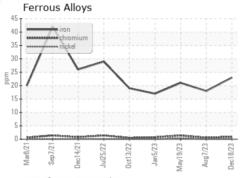


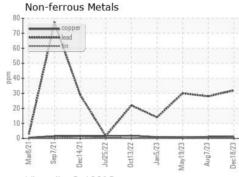


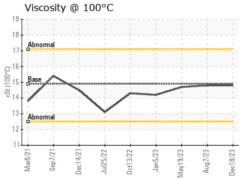
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

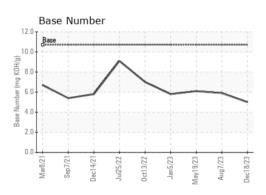
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	14.9	14.8	14.8	14.7

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10802404

: GFL0096102 : 06041796 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 21 Dec 2023

Diagnosed : 22 Dec 2023 Diagnostician : Don Baldridge 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 F: