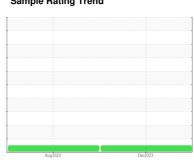


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



129006-443

Component

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

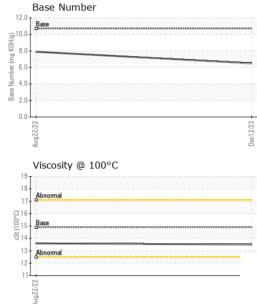
Fluid Condition

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

)			Aug2022	Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0096106	GFL0018779	
Sample Date		Client Info		12 Dec 2023	22 Aug 2022	
Machine Age	hrs	Client Info		6467	5401	
Oil Age	hrs	Client Info		1066	610	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	39	30	
Chromium	ppm	ASTM D5185m	>20	3	2	
Nickel	ppm	ASTM D5185m	>4	<1	0	
Titanium	ppm	ASTM D5185m		11	3	
Silver	ppm	ASTM D5185m	>3	0	<1	
Aluminum	ppm	ASTM D5185m	>20	5	8	
Lead	ppm	ASTM D5185m	>40	0	0	
Copper	ppm	ASTM D5185m	>330	3	3	
Tin	ppm	ASTM D5185m	>15	0	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		105	148	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		66	106	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		670	624	
Calcium	ppm	ASTM D5185m		1505	1503	
Phosphorus	ppm	ASTM D5185m	760	641	669	
Zinc	ppm	ASTM D5185m	830	825	850	
Sulfur	ppm	ASTM D5185m	2770	3160	2566	
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	11	8	
Sodium	ppm	ASTM D5185m		4	7	
Potassium	ppm	ASTM D5185m	>20	9	9	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.6	
Nitration	Abs/cm	*ASTM D7624	>20	10.9	12.4	
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9	26.2	
FLUID DEGRAD	DATION		limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.4	22.8	
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	6.5	7.9	



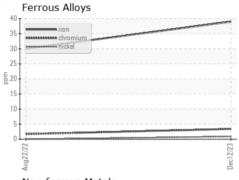
OIL ANALYSIS REPORT

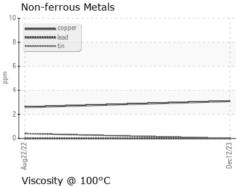


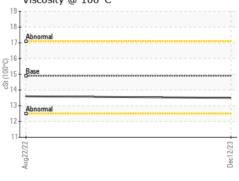
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	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	
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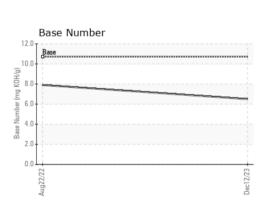
FLUID PROPI	ERHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	14.9	13.5	13.6	

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10792593

: GFL0096106 : 06037364 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 18 Dec 2023 Diagnosed

: 19 Dec 2023 Diagnostician : 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 F: