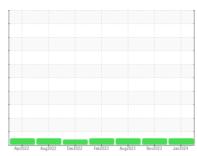


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



723006-528

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

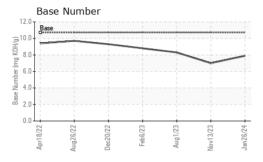
Fluid Condition

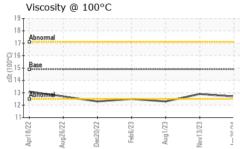
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

April022 Augl022 Dec022 Feb.0023 Augl023 Nov2023 Jan2024							
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0096280	GFL0096239	GFL0064477	
Sample Date		Client Info		26 Jan 2024	13 Nov 2023	01 Aug 2023	
Machine Age	hrs	Client Info		35877	35743	35513	
Oil Age	hrs	Client Info		35513	233	514	
Oil Changed		Client Info		Changed	Not Changd	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	81	18	58	
Chromium	ppm	ASTM D5185m	>20	1	<1	<1	
Nickel	ppm	ASTM D5185m	>4	2	0	1	
Titanium	ppm	ASTM D5185m		11	9	<1	
Silver	ppm	ASTM D5185m	>3	0	0	0	
Aluminum	ppm	ASTM D5185m	>20	2	2	3	
Lead	ppm	ASTM D5185m	>40	2	<1	2	
Copper	ppm	ASTM D5185m	>330	3	1	2	
Tin	ppm	ASTM D5185m	>15	<1	<1	<1	
Vanadium	ppm	ASTM D5185m		0	<1	<1	
Cadmium	ppm	ASTM D5185m		<1	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		123	130	17	
Barium	ppm	ASTM D5185m		0	0	0	
Molybdenum	ppm	ASTM D5185m		57	47	67	
Manganese	ppm	ASTM D5185m		1	<1	<1	
Magnesium	ppm	ASTM D5185m		787	721	989	
Calcium	ppm	ASTM D5185m		1309	1400	1237	
Phosphorus	ppm	ASTM D5185m	760	667	698	1029	
Zinc	ppm	ASTM D5185m	830	942	842	1223	
Sulfur	ppm	ASTM D5185m	2770	2610	2756	3646	
CONTAMINAN	TS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	10	6	6	
Sodium	ppm	ASTM D5185m		<1	1	3	
Potassium	ppm	ASTM D5185m	>20	7	<1	0	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.4	0.3	0.4	
Nitration	Abs/cm	*ASTM D7624	>20	8.2	7.3	6.4	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6	18.7	17.8	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.3	13.7	13.4	
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	7.9	7.0	8.3	



OIL ANALYSIS REPORT

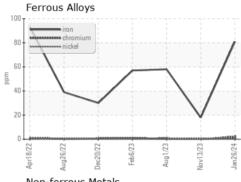


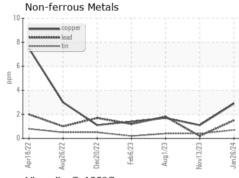


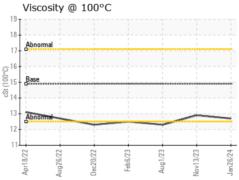
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

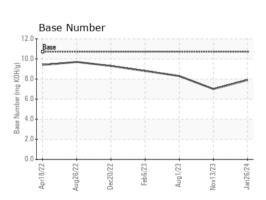
FLUID PROPE	RHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	14.9	12.7	12.9	12.3

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number : 06078826 Unique Number: 10860917 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0096280 Received : 02 Feb 2024

Tested : 05 Feb 2024 Diagnosed : 06 Feb 2024 - Don Baldridge

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)