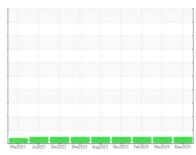


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **929013-1267**

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

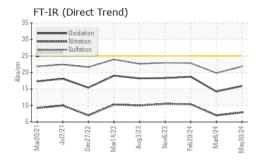
Fluid Condition

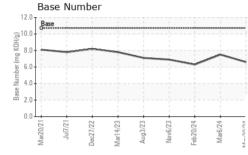
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

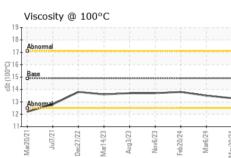
		Marzuz I Ju	IZUZT DBCZUZZ Marzuzs	Augzoza Novzoza Feozoza Marzo	Z4 May20Z4			
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		GFL0104700	GFL0104599	GFL0096244		
Sample Date		Client Info		30 May 2024	06 Mar 2024	20 Feb 2024		
Machine Age	hrs	Client Info		12668	12013	11904		
Oil Age	hrs	Client Info		11904	11904	660		
Oil Changed		Client Info		Not Changd	N/A	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	>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	6	0	10		
Chromium	ppm	ASTM D5185m	>20	0	0	<1		
Nickel	ppm	ASTM D5185m	>4	0	0	0		
Titanium	ppm	ASTM D5185m	2.1	3	6	10		
Silver	ppm	ASTM D5185m	>3	0	0	0		
Aluminum	ppm	ASTM D5185m	>20	2	2	2		
Lead	ppm	ASTM D5185m	>40	0	0	5		
Copper	ppm		>330	<1	0	1		
Coppei Tin		ASTM D5185m	>15	0	0	<1		
Vanadium	ppm	ASTM D5185m	>10	0	0	0		
Cadmium	ppm ppm	ASTM D5185m		0	0	0		
ADDITIVES	Plan	method	limit/base	current	history1	history2		
Boron	nnm	ASTM D5185m	mme bass	371	281	88		
	ppm	ASTM D5185m		0	0	0		
Barium	ppm			-				
Molybdenum	ppm	ASTM D5185m		70	60	51		
Manganese	ppm	ASTM D5185m		0	0	<1		
Magnesium	ppm	ASTM D5185m		439	564	674		
Calcium	ppm	ASTM D5185m	700	1514	1490	1415		
Phosphorus	ppm	ASTM D5185m	760	965	855	741		
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	830 2770	1107 3640	977 3467	849 2866		
	ppm							
CONTAMINAN		method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	0	4	5		
Sodium	ppm	ASTM D5185m		2	7	4		
Potassium	ppm	ASTM D5185m	>20	<1	<1	2		
INFRA-RED		method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844	>3	0.4	0.2	0.6		
Nitration	Abs/cm	*ASTM D7624	>20	7.9	7.0	10.4		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.8	19.8	22.8		
FLUID DEGRADATION method limit/base current history1 history2								
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.9	14.2	18.7		
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	6.6	7.5	6.3		
()	0 - 3							

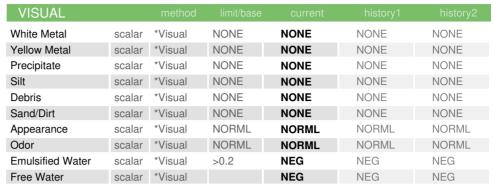


OIL ANALYSIS REPORT



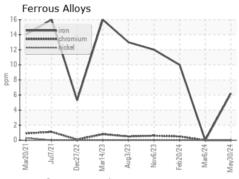


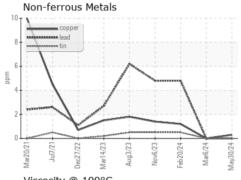


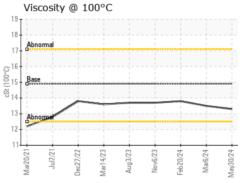


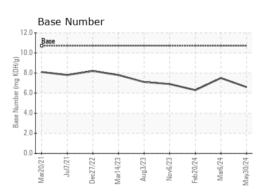
FLUID PROPE	RHES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	14.9	13.3	13.5	13.8

GRAPHS













Certificate 12367

Laboratory Sample No.

Lab Number : 06198867 Unique Number : 11060990 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0104700

Received **Tested** Diagnosed

: 04 Jun 2024 : 05 Jun 2024

: 06 Jun 2024 - Don Baldridge

GFL Environmental - 624 - Elmira Hauling 10164 M-32 Elmira, MI US 49730 Contact: ANDY GROBASKI

andyg@americanwaste.org

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

 st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (989)370-2941