

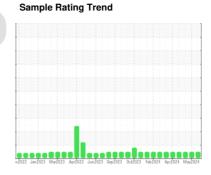
OIL ANALYSIS REPORT



(62A0X13) ALEXANDER CITY 723009-234528

Diesel Engine

CHEVRON DELO 400 MULTIGRADE 15W40 (--- LTR)





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

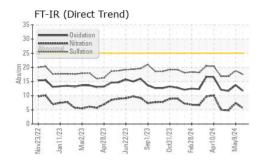
Fluid Condition

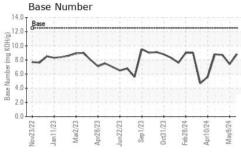
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

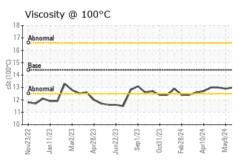
SAMPLE INFORM	ATI <u>ON</u>	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0079735	GFL0079730	GFL0091345
Sample Date		Client Info		23 May 2024	09 May 2024	17 Apr 2024
	hrs	Client Info		25716	25665	25519
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Oil Changed	1110	Client Info		Not Changd	N/A	N/A
Sample Status		Ollont IIIIo		NORMAL	NORMAL	NORMAL
CONTAMINATIO	DN	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method		NEG	NEG	NEG
Glycol		WC Method	7 - 7 - 7	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
	ppm	ASTM D5185m	>120	5	9	2
-	ppm	ASTM D5185m		<1	<1	0
	ppm	ASTM D5185m	>5	<1	1	0
	ppm	ASTM D5185m		<1	<1	<1
	ppm	ASTM D5185m	>2	1	0	0
	ppm	ASTM D5185m		3	4	2
		ASTM D5185m	>40	<1	<1	0
	ppm	ASTM D5185m		2	4	<1
	ppm		>15	_	<1	0
	ppm		>10	<1		
	ppm	ASTM D5185m		<1	<1	<1
	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
	ppm	ASTM D5185m	151	19	12	19
Barium	ppm	ASTM D5185m	0.4	1	0	0
Molybdenum	ppm	ASTM D5185m	250	62	57	55
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	0	884	794	795
Calcium	ppm	ASTM D5185m	2046	1067	990	964
Phosphorus	ppm	ASTM D5185m	1043	1040	918	844
Zinc	ppm	ASTM D5185m	943	1169	1106	1009
Sulfur	ppm	ASTM D5185m	5012	3267	2930	3116
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	5	3
Sodium	ppm	ASTM D5185m		2	4	2
Potassium	ppm	ASTM D5185m	>20	2	3	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	8.0	0.6	0.4
Nitration	Abs/cm	*ASTM D7624	>20	5.6	7.4	4.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.5	18.8	16.8
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	11.7	13.7	11.7
Base Number (BN)	mg KOH/g	ASTM D2896	12.5	8.8	7.4	8.7



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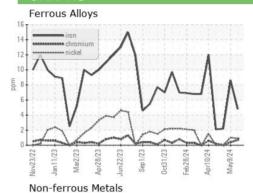


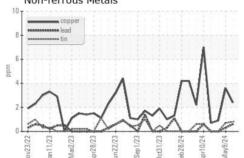


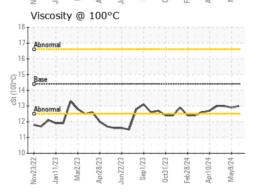
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

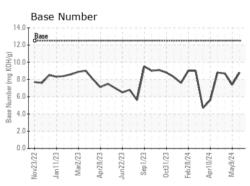
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	14.4	13.0	12.9	13.0

GRAPHS













Certificate 12367

Laboratory Sample No. : GFL0079735 Lab Number : 06192064

Unique Number : 11048816 Test Package : FLEET

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

: 28 May 2024 **Tested** : 29 May 2024 Diagnosed

: 30 May 2024 - Sean Felton

GFL Environmental - 172 - Montgomery-Alexander City-Tallahassee Multiple Sites Montgomery, AL

US 36108 Contact: BRANDON HURST brandonhurst@gflenv.com

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)

Report Id: GFL172 [WUSCAR] 06192064 (Generated: 05/30/2024 13:22:44) Rev: 1

Submitted By: Lisa Reeves

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