

OIL ANALYSIS REPORT

Sample Rating Trend

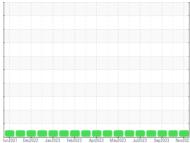




Machine Id 411001-411001

Component **Diesel Engine** Fluic

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

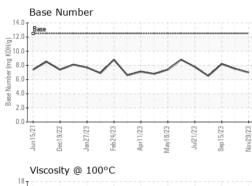


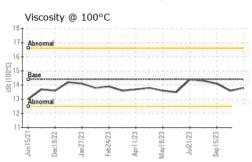


		,	lun2021 Dec2	022 Jan2023 Feb2023	Apr2023 May2023 Jul2023 Sep	2023 Nov202	
DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0098441	GFL0098455	GFL0051136
Resample at the next service interval to monitor.	Sample Date		Client Info		29 Nov 2023	07 Nov 2023	15 Sep 2023
Vear	Machine Age	hrs	Client Info		7800	7699	7379
Il component wear rates are normal.	Oil Age	hrs	Client Info		6480	6379	6059
ontamination	Oil Changed		Client Info		Changed	N/A	Not Changd
here is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
il.	CONTAMINAT	ION	method	limit/base	current	history1	history2
uid Condition	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
ne BN result indicates that there is suitable	Water		WC Method		NEG	NEG	NEG
kalinity remaining in the oil. The condition of the lis suitable for further service.	Glycol		WC Method	20.L	NEG	NEG	NEG
	-	0		Darit for a sec			
	WEAR METAL		method	limit/base		history1	history2
	Iron	ppm	ASTM D5185m		6	5	<1
	Chromium	ppm	ASTM D5185m		<1	<1	<1
	Nickel	ppm	ASTM D5185m		0	<1	0
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>20	2	3	0
	Lead	ppm	ASTM D5185m	>40	0	<1	0
	Copper	ppm	ASTM D5185m		1	5	<1
	Tin	ppm	ASTM D5185m	>15	0	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	151	28	46	81
	Barium	ppm	ASTM D5185m	0.4	2	0	0
	Molybdenum	ppm	ASTM D5185m	250	77	79	73
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m	0	821	884	907
	Calcium	ppm	ASTM D5185m	2046	1147	1239	1221
	Phosphorus	ppm	ASTM D5185m	1043	862	982	973
	Zinc	ppm	ASTM D5185m	943	1075	1206	1192
	Sulfur	ppm	ASTM D5185m	5012	2675	2689	3626
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	6	5	4
	Sodium	ppm	ASTM D5185m		2	3	2
	Potassium	ppm	ASTM D5185m	>20	3	3	<1
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.3	0.3	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	9.1	7.9	6.0
	Sulfation	Abs/.1mm			20.7	20.8	19.6
	ounation						
	FLUID DEGRA	DAT <u>IO</u> N	method	limit/base	current	history1	history2
	FLUID DEGRA					,	
		Abs/.1mm	*ASTM D7414	>25	current 16.4 7.0	history1 16.4 7.5	history2 15.1 8.2

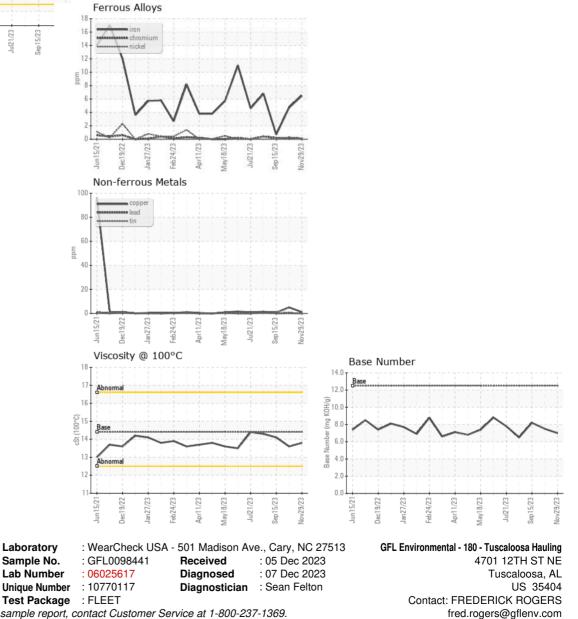


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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 PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14.4	13.8	13.6	14.1
GRAPHS						





Certificate 12367 Test Package : FLEET 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 (ICGM 10

Submitted By: see also GFL868 - Chelsea Bryan

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