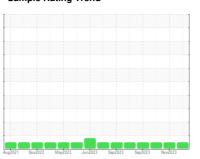


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **929054-182539**

Component

Diesel Engine

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

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.

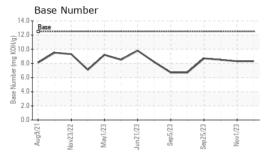
Fluid Condition

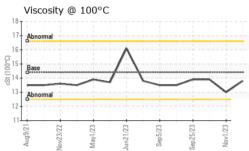
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

0 (LTR)		Aug2021 No	vv2022 May2023 Jur	2023 Sep2023 Sep2023	Nov2023	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0094782	GFL0094784	GFL0086346
Sample Date		Client Info		01 Nov 2023	01 Nov 2023	12 Oct 2023
Machine Age	hrs	Client Info		11242	11242	11097
Oil Age	hrs	Client Info		385	0	240
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>110	8	9	7
Chromium	ppm	ASTM D5185m	>4	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>25	2	4	4
Lead	ppm	ASTM D5185m	>45	0	<1	0
Copper	ppm	ASTM D5185m	>85	20	1	18
Tin	ppm	ASTM D5185m	>4	0	0	0
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	27	20	27
Barium	ppm	ASTM D5185m	0.4	6	0	0
Molybdenum	ppm	ASTM D5185m	250	106	105	104
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	0	847	923	872
Calcium	ppm	ASTM D5185m	2046	1087	1138	1066
Phosphorus	ppm	ASTM D5185m	1043	927	1057	866
Zinc	ppm	ASTM D5185m	943	1106	1242	1124
Sulfur	ppm	ASTM D5185m	5012	3290	2910	3410
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	4	3	4
Sodium	ppm	ASTM D5185m		0	<1	1
Potassium	ppm	ASTM D5185m	>20	16	14	15
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.4	0.3
Nitration	Abs/cm	*ASTM D7624	>20	6.8	7.1	6.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.2	19.6	18.7
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.3	14.9	14.1
Base Number (BN)	mg KOH/g	ASTM D2896	12.5	8.3	8.3	8.5
()	0 - 9					



OIL ANALYSIS REPORT

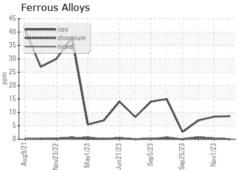


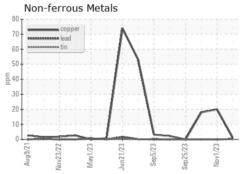


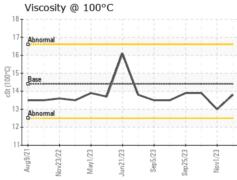
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

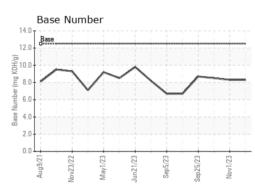
FLUID PROPE	RHES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	14.4	13.8	13.0	13.9

GRAPHS













Certificate L2367

Laboratory

Sample No. Lab Number Unique Number : 10740434 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0094782 : 06006672

Received : 14 Nov 2023 Diagnosed : 15 Nov 2023 Diagnostician : Don Baldridge GFL environmental - 867 - Trafford (Blount Hauling)

1130 County Line Rd Trafford, AL US 35172

Contact: Jonathan Williams jonathan.williams@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)

T:

F: