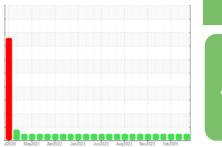


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



Machine Id 429061-402470

Component
Diesel Engine

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

## 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

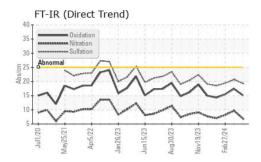
## **Fluid Condition**

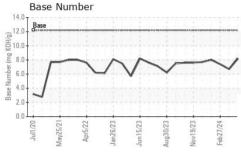
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

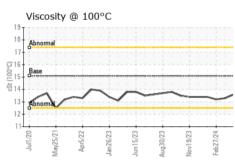
o ( GAL)						
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0102946	GFL0102986	GFL0102965
Sample Date		Client Info		15 Apr 2024	24 Mar 2024	27 Feb 2024
Machine Age	hrs	Client Info		9553	9396	9184
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
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	>110	6	15	9
Chromium	ppm	ASTM D5185m	>4	<1	2	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	3	2
Lead	ppm	ASTM D5185m	>45	<1	3	<1
Copper	ppm	ASTM D5185m	>85	0	1	<1
Tin	ppm	ASTM D5185m	>4	<1	1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		37	12	4
Barium	ppm	ASTM D5185m		0	1	0
Molybdenum	ppm	ASTM D5185m		67	75	71
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		902	991	<b>1008</b>
Calcium	ppm	ASTM D5185m		1163	1276	1184
Phosphorus	ppm	ASTM D5185m	1360	995	1092	1176
Zinc	ppm	ASTM D5185m	1480	1185	1339	1371
Sulfur	ppm	ASTM D5185m		3513	3257	3270
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	3	6	4
Sodium	ppm	ASTM D5185m		5	3	5
Potassium	ppm	ASTM D5185m	>20	15	4	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	6.9	9.7	8.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	20.7	19.4
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.1	17.4	15.5
Base Number (BN)	mg KOH/g	ASTM D2896	12.2	8.2	6.7	7.4

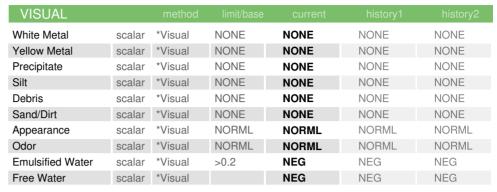


# **OIL ANALYSIS REPORT**



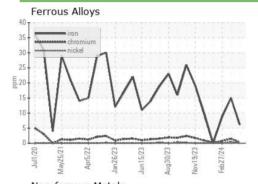


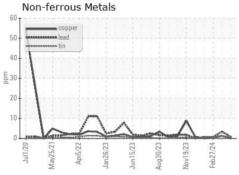


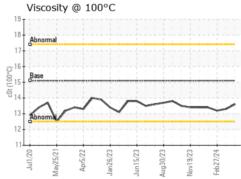


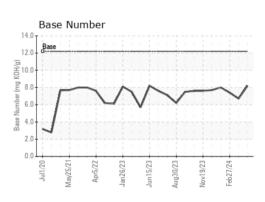
FLUID PROP	ERIIES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.1	13.6	13.3	13.2

### **GRAPHS**













Certificate 12367

Laboratory Sample No. Unique Number : 10981031

Test Package : FLEET

: GFL0102946 Lab Number : 06150953

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

Received : 16 Apr 2024 **Tested** 

: 17 Apr 2024 Diagnosed : 19 Apr 2024 - Don Baldridge

GFL Environmental - 816 - WCA of South Arkansas

3083 Smackover Hwy El Dorado, AR US 71730

Contact: Mike Howell mike.howell@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: