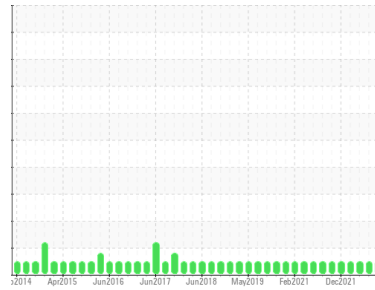




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**(YA172341)**  
 Machine Id  
**10371C**  
 Component  
**Natural Gas Engine**  
 Fluid  
**CHEVRON DELO 400 NG (30 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.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0123436</b>	GFL0050776	PCA0061474
Sample Date	Client Info		<b>18 Jun 2024</b>	12 Apr 2023	26 Aug 2022
Machine Age	hrs	Client Info	<b>77646</b>	11555	10549
Oil Age	hrs	Client Info	<b>77646</b>	1006	1188
Oil Changed	Client Info		<b>N/A</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>13</b>	20	12
Chromium	ppm	ASTM D5185m >4	<b>1</b>	<1	1
Nickel	ppm	ASTM D5185m >2	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >9	<b>2</b>	2	5
Lead	ppm	ASTM D5185m >30	<b>2</b>	0	<1
Copper	ppm	ASTM D5185m >35	<b>&lt;1</b>	2	<1
Tin	ppm	ASTM D5185m >4	<b>0</b>	0	1
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>4</b>	24	7
Barium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Molybdenum	ppm	ASTM D5185m	<b>52</b>	64	50
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>564</b>	929	505
Calcium	ppm	ASTM D5185m	<b>1760</b>	1107	1563
Phosphorus	ppm	ASTM D5185m 800	<b>741</b>	1046	640
Zinc	ppm	ASTM D5185m 880	<b>1019</b>	1247	908
Sulfur	ppm	ASTM D5185m	<b>3026</b>	3881	2274

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >+100	<b>4</b>	3	4
Sodium	ppm	ASTM D5185m	<b>8</b>	2	5
Potassium	ppm	ASTM D5185m >20	<b>13</b>	0	2

## INFRA-RED

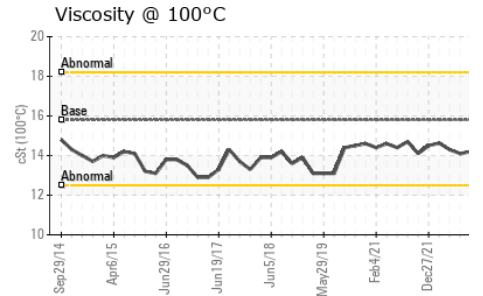
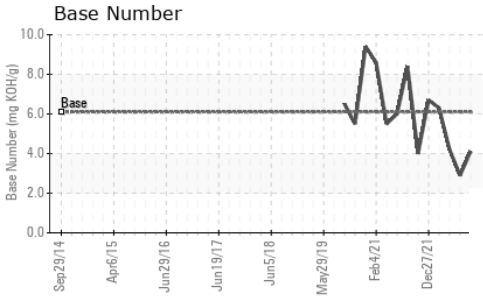
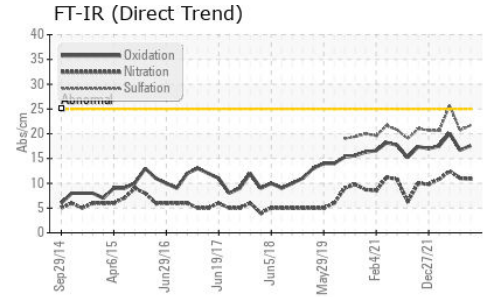
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	<b>0</b>	0	0.1
Nitration	Abs/cm	*ASTM D7624 >20	<b>10.9</b>	11.0	12.5
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>21.7</b>	20.7	25.7

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>17.6</b>	16.7	20.1
Base Number (BN)	mg KOH/g	ASTM D2896 6.1	<b>4.1</b>	2.9	4.2



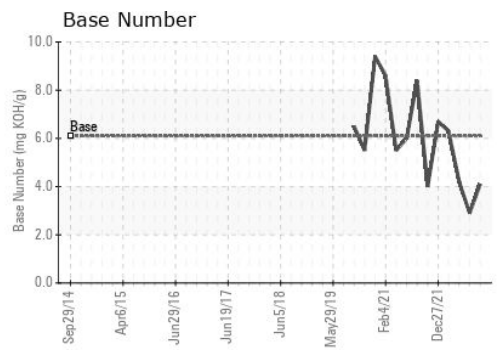
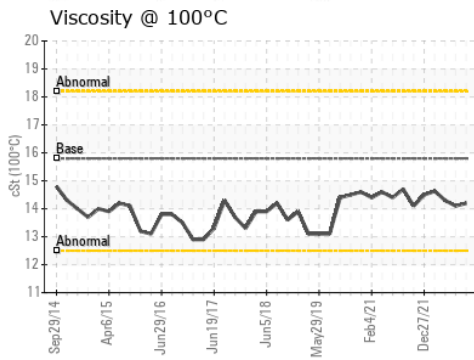
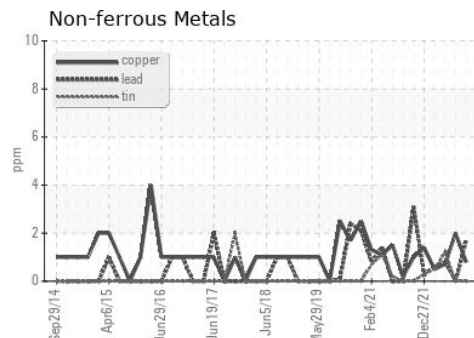
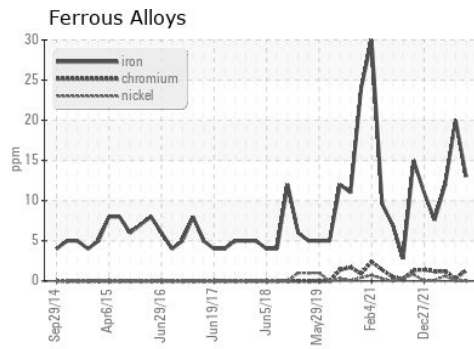
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	15.8	<b>14.2</b>	14.1	14.3

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0123436      **Received** : 20 Jun 2024  
**Lab Number** : **06215568**      **Tested** : 21 Jun 2024  
**Unique Number** : 11088432      **Diagnosed** : 21 Jun 2024 - Wes Davis  
**Test Package** : FLEET

**GFL Environmental - 007 - Brunswick**  
 2809 Galloway Road  
 Bolivia, NC  
 US 28422  
 Contact: DONALD CRAVEN  
 dcraven@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)