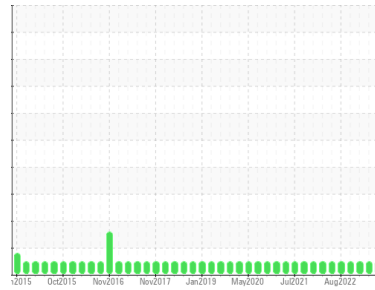




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
(YA115780)
 Machine Id
10374C
 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	GFL0123432	GFL0082450	GFL0082470	
Sample Date	Client Info	30 May 2024	28 Aug 2023	17 Jul 2023	
Machine Age	hrs	Client Info	14835	13590	13145
Oil Age	hrs	Client Info	150	445	1213
Oil Changed	Client Info	N/A	Changed	Changed	
Sample Status		NORMAL	NORMAL	NORMAL	

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >50	4	14	20
Chromium	ppm ASTM D5185m >4	<1	2	1
Nickel	ppm ASTM D5185m >2	0	<1	0
Titanium	ppm ASTM D5185m	<1	<1	29
Silver	ppm ASTM D5185m >3	0	0	0
Aluminum	ppm ASTM D5185m >9	<1	2	3
Lead	ppm ASTM D5185m >30	<1	1	2
Copper	ppm ASTM D5185m >35	<1	1	2
Tin	ppm ASTM D5185m >4	0	1	0
Vanadium	ppm ASTM D5185m	<1	0	<1
Cadmium	ppm ASTM D5185m	0	<1	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	42	22	50
Barium	ppm ASTM D5185m	0	44	0
Molybdenum	ppm ASTM D5185m	49	48	65
Manganese	ppm ASTM D5185m	<1	1	1
Magnesium	ppm ASTM D5185m	604	511	202
Calcium	ppm ASTM D5185m	1719	1420	2174
Phosphorus	ppm ASTM D5185m 800	878	703	1042
Zinc	ppm ASTM D5185m 880	1066	882	1309
Sulfur	ppm ASTM D5185m	3173	2587	4639

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >+100	3	4	5
Sodium	ppm ASTM D5185m	4	6	4
Potassium	ppm ASTM D5185m >20	2	4	6

INFRA-RED

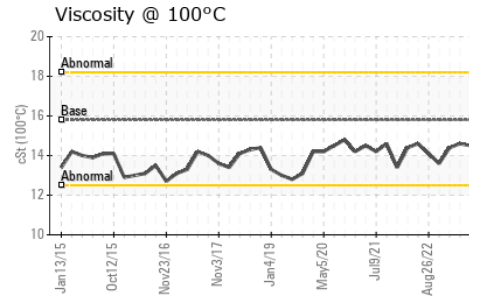
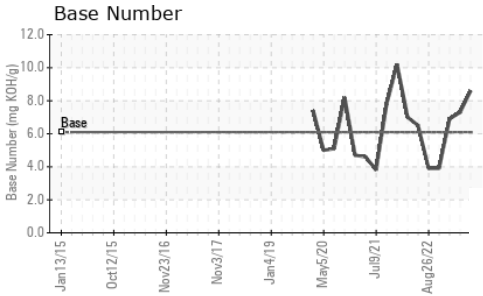
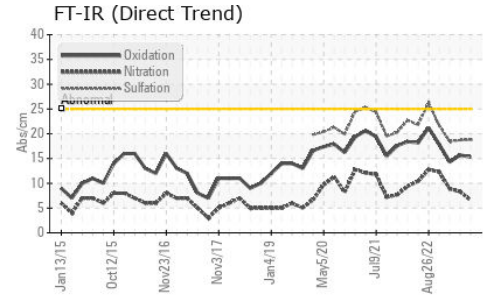
method	limit/base	current	history1	history2
Soot %	% *ASTM D7844	0	0.1	0
Nitration	Abs/cm *ASTM D7624 >20	6.6	8.3	8.9
Sulfation	Abs/.1mm *ASTM D7415 >30	18.8	18.7	18.5

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	15.3	15.7	14.3
Base Number (BN)	mg KOH/g ASTM D2896 6.1	8.6	7.3	6.9



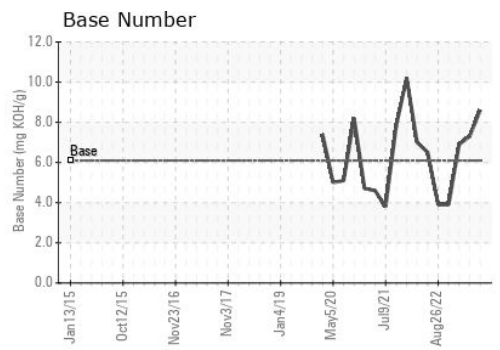
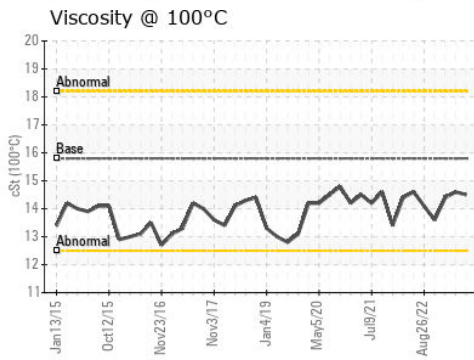
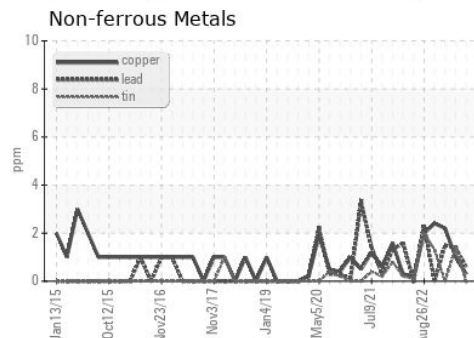
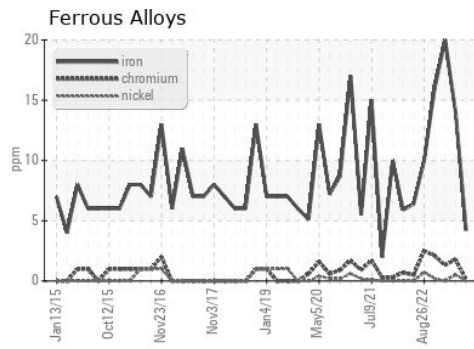
OIL ANALYSIS REPORT



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	14.5	14.6

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0123432 **Received** : 20 Jun 2024
Lab Number : **06215652** **Tested** : 21 Jun 2024
Unique Number : 11088516 **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)