

OIL ANALYSIS REPORT

Sample Rating Trend



10883 Component Diesel Engine Fluid PETRO CANADA 15W40 (8 GAL)

Area (YA144615)

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 INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0094477	GFL0109519	GFL0109501
Sample Date		Client Info		04 Jun 2024	03 Apr 2024	15 Feb 2024
Machine Age	hrs	Client Info		18078	17300	17300
Oil Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<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	>90	8	9	10
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	1	2
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	0	<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		34	40	41
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		56	49	54
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		664	589	642
Calcium	ppm	ASTM D5185m		1393	1419	1507
Phosphorus	ppm	ASTM D5185m		783	784	849
Zinc	ppm	ASTM D5185m		1015	906	1038
Sulfur	ppm	ASTM D5185m		2769	2784	2689
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm		>25	6	6	5
Sodium	ppm	ASTM D5185m		12	17	26
Potassium	ppm	ASTM D5185m	>20	10	<1	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624		6.4	6.7	6.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.9	18.6	18.7
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
FLUID DEGRAD	DATION Abs/.1mm	method *ASTM D7414	limit/base	current 14.5	history1 15.3	history2 14.8



3

30

25

Abs/cm

10

10.0

6.

-9

13

12

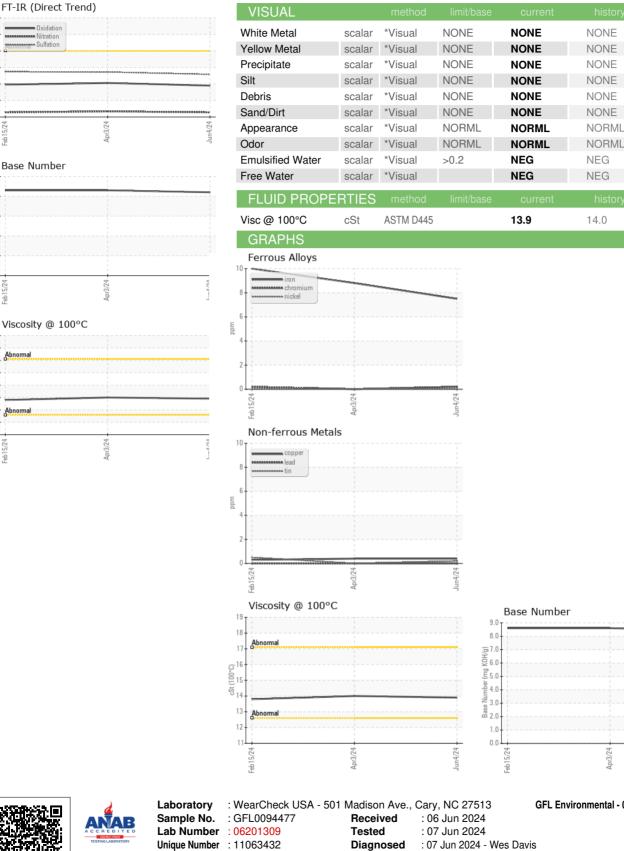
Feb15/24

(mg KOH/g)

mbe 4.

Base 2 leb1

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GFL Environmental - 019 - Greenville/TriEast 415 Staton Road Greenville, NC US 27834 Contact: Gerald Fowler gfowler@gflenv.com Т: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Apr3/24

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.

Submitted By: SAM SETZER

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NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

13.8