

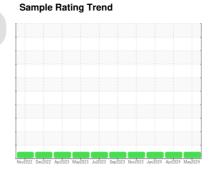
# **OIL ANALYSIS REPORT**



{UNASSIGNED} 713036

1 Diesel Engine

PETRO CANADA 15W40 (7 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

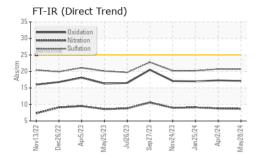
## **Fluid Condition**

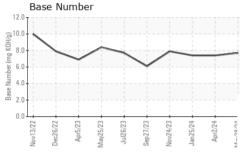
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

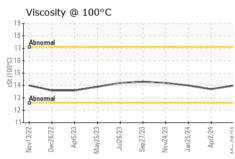
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0124773	GFL0115142	GFL0106655
Sample Date		Client Info		28 May 2024	02 Apr 2024	25 Jan 2024
Machine Age	hrs	Client Info		6325	5744	5144
Oil Age	hrs	Client Info		581	600	587
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	NC	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 METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>75	10	11	11
	ppm	ASTM D5185m	>5	0	<1	<1
	ppm	ASTM D5185m	>4	0	0	0
	ppm	ASTM D5185m	>2	0	0	0
	ppm	ASTM D5185m	>2	0	0	0
	ppm	ASTM D5185m	>15	2	<1	2
		ASTM D5185m	>25	<1	0	<1
	ppm		>100	<1	0	<1
	ppm	ASTM D5185m			0	0
	ppm	ASTM D5185m	>4	<1		
	ppm	ASTM D5185m		0	0	<1
	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	<1	5
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		59	57	64
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		961	960	904
Calcium	ppm	ASTM D5185m		1051	1054	1183
Phosphorus	ppm	ASTM D5185m		1090	1046	1058
Zinc	ppm	ASTM D5185m		1309	1268	1324
Sulfur	ppm	ASTM D5185m		3577	3420	3136
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	2	3
Sodium	ppm	ASTM D5185m		5	4	4
Potassium	ppm	ASTM D5185m	>20	2	0	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.6	0.6	0.5
	Abs/cm	*ASTM D7624	>20	8.7	8.8	9.1
	Abs/.1mm	*ASTM D7415	>30	20.7	20.7	20.2
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.1	17.3	17.0
Base Number (BN)	mg KOH/g	ASTM D2896		7.7	7.4	7.4



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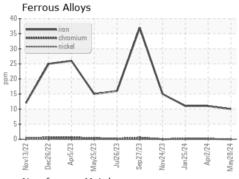


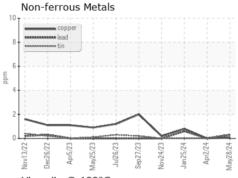


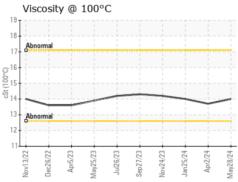
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

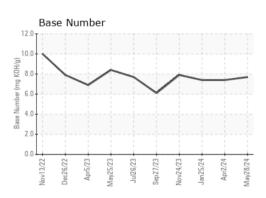
FLUID PROPI	ERITES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445		14.0	13.7	14.0

## **GRAPHS**













Certificate 12367

Laboratory Sample No.

Lab Number : 06201204

Test Package : FLEET

: GFL0124773 Unique Number : 11063327

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Jun 2024 **Tested** : 07 Jun 2024 Diagnosed

: 07 Jun 2024 - Wes Davis

GFL Environmental - 405 - Arbor Hills 7811 Chubb Rd NORTHVILLE, MI US 48168

Contact: Anthony Hopkins ahopkins@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)

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F: