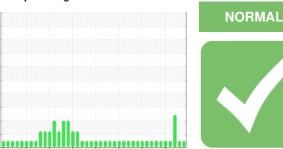


### **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

## **2591C PETERBILT 567**

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (42 QTS)

### 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

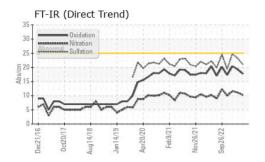
### **Fluid Condition**

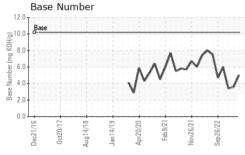
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

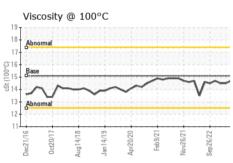
(42 QTS) 2016 0x2017 Aug2018 Jan2013 Apr2020 Feb2021 Nev2021 Sep2022						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0103180	GFL0103201	GFL0089352
Sample Date		Client Info		28 May 2024	15 Feb 2024	11 Aug 2023
Machine Age	hrs	Client Info		0	4402	3055
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	14	22	<b>▲</b> 71
Chromium	ppm	ASTM D5185m	>4	<1	1	<b>4</b> 9
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>9	2	3	<b>△</b> 18
Lead	ppm	ASTM D5185m	>30	<1	<1	3
Copper	ppm	ASTM D5185m	>35	0	2	0
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	17	12	6
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	48	50	53
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	560	528	572	612
Calcium	ppm	ASTM D5185m	1510	1512	1605	1820
Phosphorus	ppm	ASTM D5185m	780	686	715	749
Zinc	ppm	ASTM D5185m	870	904	999	1079
Sulfur	ppm	ASTM D5185m	2040	2669	2582	3399
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	6	10	60
Sodium	ppm	ASTM D5185m		6	6	12
Potassium	ppm	ASTM D5185m	>20	2	2	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	10.2	11.1	11.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.0	23.2	24.7
FLUID DEGRAI	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.7	19.3	20.4
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	5.0	3.6	3.4



### **OIL ANALYSIS REPORT**





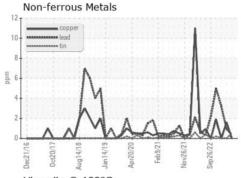


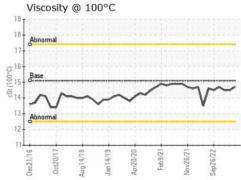
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

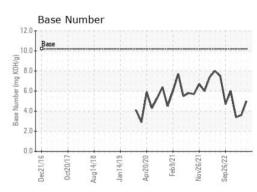
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.7	14.5	14.5

### **GRAPHS**

# Ferrous Alloys 70 60 50 30 20











Certificate 12367

Laboratory Sample No. Unique Number : 11050478

Test Package : FLEET

: GFL0103180 Lab Number : 06193726

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 May 2024

**Tested** : 30 May 2024 Diagnosed : 30 May 2024 - Wes Davis

GFL Environmental - 001 - Raleigh(CNG)

3741 Conquest Drive Garner, NC US 27529

F: (919)662-1730

Contact: Ronald Gregory rgregory@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)

Report Id: GFL001 [WUSCAR] 06193726 (Generated: 05/30/2024 16:17:35) Rev: 1

Submitted By: Craig Johnson

T: