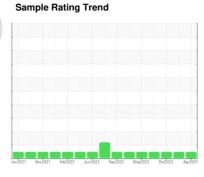


# **OIL ANALYSIS REPORT**

(NE1652) **2715 PETERBILT 567** 

Diesel Engine

PETRO CANADA DURON GEO LD 15W40 (48 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

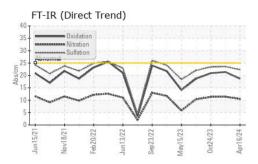
## **Fluid Condition**

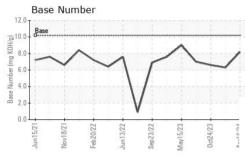
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

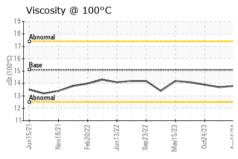
6 Q13)						
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117477	GFL0103157	GFL0094679
Sample Date		Client Info		16 Apr 2024	18 Jan 2024	24 Oct 2023
Machine Age	hrs	Client Info		15517	15040	14350
Oil Age	hrs	Client Info		477	0	556
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
-uel		WC Method	>3.0	<1.0	<1.0	<1.0
<i>N</i> ater		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>165	18	18	21
Chromium	ppm	ASTM D5185m	>5	1	1	1
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Γitanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	3
_ead	ppm	ASTM D5185m	>150	1	2	3
Copper	ppm	ASTM D5185m	>90	<1	<1	<1
Γin	ppm	ASTM D5185m	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	5	3	5
Barium	ppm	ASTM D5185m	5	0	<1	3
Molybdenum	ppm	ASTM D5185m	50	68	66	79
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	560	968	1073	1227
Calcium	ppm	ASTM D5185m	1510	1127	1176	1305
Phosphorus	ppm	ASTM D5185m	780	1060	1158	1397
Zinc	ppm	ASTM D5185m	870	1258	1372	1542
Sulfur	ppm	ASTM D5185m	2040	3085	3121	4127
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	10	13	22
Sodium	ppm	ASTM D5185m		4	6	6
Potassium	ppm	ASTM D5185m	>20	4	2	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>7.5	1	0.7	0.5
Vitration	Abs/cm	*ASTM D7624	>20	10.5	11.4	11.3
villation						00.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.3	23.6	23.4
			>30 limit/base	22.3 current	23.6 history1	
Sulfation						23.4 history2 20.9



# **OIL ANALYSIS REPORT**



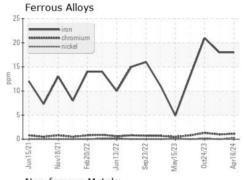


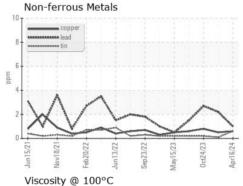


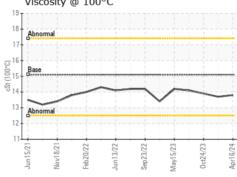
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

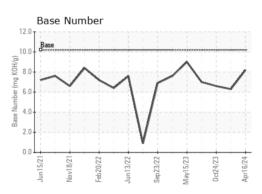
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	13.8	13.7	13.9

## **GRAPHS**













Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0117477 Lab Number : 06155063 Unique Number : 10990486

Received **Tested** Diagnosed

: 19 Apr 2024 : 24 Apr 2024 : 24 Apr 2024 - Jonathan Hester

GFL Environmental - 001 - Raleigh(CNG) 3741 Conquest Drive Garner, NC US 27529

Contact: Craig Johnson craig.johnson@gflenv.com T: (919)662-7100

Test Package : FLEET Certificate 12367 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)

F: (919)662-7130