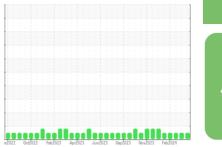


# **OIL ANALYSIS REPORT**

### Sample Rating Trend









Machine Id
812003
Component
Diesel Engine
Fluid

PETRO CANADA DURON SHP 15W40 (--- QTS)

# 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

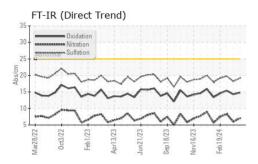
## **Fluid Condition**

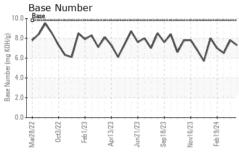
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

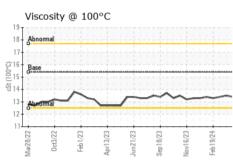
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0068856	GFL0068818	GFL0068824	
Sample Date		Client Info		17 Apr 2024	22 Mar 2024	11 Mar 2024	
	hrs	Client Info		6880	6743	6633	
J	hrs	Client Info		247	110	505	
Oil Changed		Client Info		Not Changd	Not Changd	Changed	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATIO	DN	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	
	ppm	ASTM D5185m	>120	8	6	9	
-	ppm	ASTM D5185m	>20	<1	<1	<1	
	ppm	ASTM D5185m	>5	6	2	7	
	ppm	ASTM D5185m	>2	<1	<1	0	
	ppm	ASTM D5185m	>2	0	0	0	
	ppm	ASTM D5185m	>20	2	1	2	
	ppm	ASTM D5185m	>40	<1	1	<1	
	ppm	ASTM D5185m	>330	2	1	2	
		ASTM D5185m	>15	<1	1	<1	
	ppm	ASTM D5185m	>10	<1	<1	0	
	ppm	ASTM D5185m		<1	<1	0	
	ppm		line it the end				
ADDITIVES		method	limit/base	current	history1	history2	
	ppm	ASTM D5185m	0	4	5	2	
	ppm		0	0	<1	0	
	ppm	ASTM D5185m	60	58	57	56	
	ppm	ASTM D5185m	0	<1	<1	0	
	ppm	ASTM D5185m	1010	903	890	846	
	ppm	ASTM D5185m	1070	1025	1023	971	
	ppm	ASTM D5185m	1150	985	1045	883	
	ppm	ASTM D5185m	1270	1157	1129	1116	
	ppm	ASTM D5185m	2060	3028	2970	2575	
CONTAMINANT	S	method	limit/base	current	history1	history2	
	ppm	ASTM D5185m	>25	5	5	4	
Sodium	ppm	ASTM D5185m		4	3	1	
Potassium	ppm	ASTM D5185m	>20	2	2	2	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>4	0.4	0.3	0.6	
Nitration	Abs/cm	*ASTM D7624	>20	7.0	6.0	8.3	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.2	18.2	19.8	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.8	14.3	15.4	
	mg KOH/g	ASTM D2896		7.3	7.8	6.5	



## **OIL ANALYSIS REPORT**



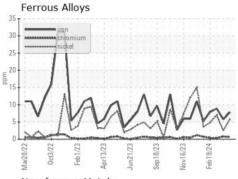


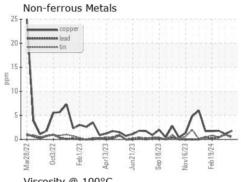


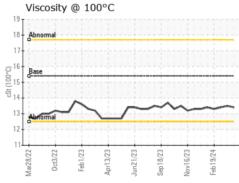
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

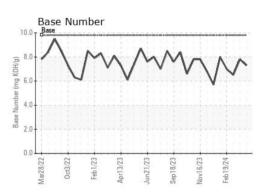
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.4	13.5	13.4

## **GRAPHS**













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: GFL0068856 Lab Number : 06155052 Unique Number : 10990475

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 19 Apr 2024 **Tested** : 22 Apr 2024 Diagnosed

: 22 Apr 2024 - Wes Davis

GFL Environmental - 073 - Warner Robins - Transwaste 155 Story Road Warner Robins, GA

US 31093 Contact: JOSH MALONEY

jmaloney@gflenv.com T:

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: