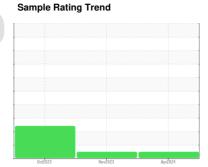


# **OIL ANALYSIS REPORT**



GFL035 934044 Diesel Engine

PETRO CANADA DURON SHP 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

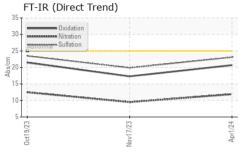
## **Fluid Condition**

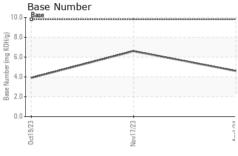
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

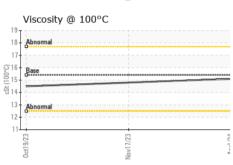
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number	ATION	Client Info	mmodase	GFL0116436	GFL0102293	GFL0085235
Sample Date		Client Info		01 Apr 2024	17 Nov 2023	19 Oct 2023
	hrs	Client Info		0	0	0
	hrs	Client Info		600	300	600
Oil Changed	1110	Client Info		Not Changd	Not Changd	Changed
Sample Status		Olioni iilio		NORMAL	NORMAL	ABNORMAL
CONTAMINATIO	NC	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method		NEG	NEG	NEG
Glycol		WC Method	7 O.L	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
		ASTM D5185m	>120	12	14	46
-	ppm		>20	<1	<1	2
	ppm	ASTM D5185m	>5	<1	<1	1
	ppm	ASTM D5165III		0	<1	<1
	ppm	ASTM D5185m	>2	0	0	0
	ppm			3	3	15
	ppm	ASTM D5185m		-		
	ppm	ASTM D5185m	>40	0	0	<1
	ppm	ASTM D5185m		2	3 <1	18
	ppm		>15	<1		
	ppm	ASTM D5185m		<1	0	<1
	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
	ppm		0	8	18	6
	ppm	ASTM D5185m		0	0	2
	ppm	ASTM D5185m	60	57	51	54
	ppm		0	<1	2	14
	ppm	ASTM D5185m	1010	577	553	740
	ppm		1070	1783	1504	1184
	ppm	ASTM D5185m	1150	763	730	714
	ppm	ASTM D5185m	1270	1031	927	946
	ppm	ASTM D5185m	2060	2957	2445	2764
CONTAMINANT	S	method	limit/base	current	history1	history2
	ppm		>25	5	7	<u>^</u> 29
	ppm	ASTM D5185m		8	4	5
	ppm	ASTM D5185m	>20	6	8	39
INFRA-RED		method	limit/base	current	history1	history2
	%	*ASTM D7844	>4	0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	11.9	9.5	12.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.1	19.9	23.5
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.7	17.3	21.5
	mg KOH/g	ASTM D2896	9.8	4.6	6.6	3.9
( )	9			-		



## **OIL ANALYSIS REPORT**



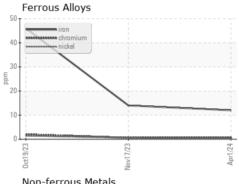


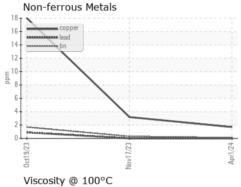


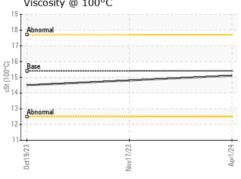
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

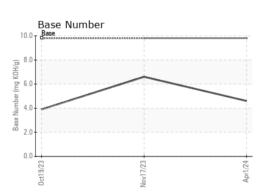
FLUID PROPI	ERHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	15.1	14.8	14.5

## **GRAPHS**













Certificate 12367

Laboratory Sample No.

: GFL0116436 Lab Number : 06137233 Unique Number : 10956698 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Apr 2024 **Tested** Diagnosed

: 04 Apr 2024 : 05 Apr 2024 - Don Baldridge

GFL Environmental - 035 - Greensboro 1236 Elon Place High Point, NC US 27263 Contact: JORGE COSTA jorge.costa@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: GFL035 [WUSCAR] 06137233 (Generated: 04/05/2024 12:53:38) Rev: 1

T: (336)668-3712