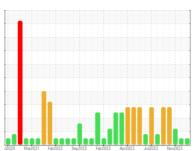


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



Machine Id **724001** 

Component **Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (12 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.

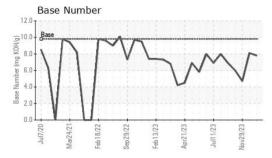
### **Fluid Condition**

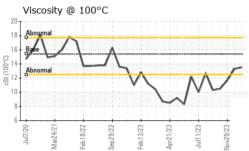
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

QTS)		12020 Marž	021 Feb2022 Sep2022	Feb2023 Apr2023 Jul2023	Nov2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number Sample Date Machine Age Oil Age	hrs hrs	Client Info Client Info Client Info Client Info		GFL0107178 30 Jan 2024 13007 272	GFL0107230 08 Jan 2024 12867 132	GFL0101222 29 Nov 2023 12600 442
Oil Changed Sample Status		Client Info		Not Changd NORMAL	Not Changd NORMAL	Not Changd ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel Water Glycol		WC Method WC Method	>3.0 >0.2	<1.0 NEG NEG	0.8 NEG NEG	A 3.8  NEG  NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium Cadmium ADDITIVES	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>90 >20 >2 >2 >2 >2 >2 >2 >10 >2 >330 >15	19 <1 0 0 0 3 0 <1 <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 <1 0 0 0 0 0 2 0 <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	36 <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		method		current	history1	history2
Boron Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	60	3 0 56 <1	3 3 58 0	6 0 54 <1
Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	1010 1070 1150 1270 2060	851 962 950 1138 2733	906 1001 929 1158 3106	742 1049 878 1066 2236
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m ASTM D5185m	>25 >20	5 3 1	3 3 2	4 7 0
Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415		0.2 6.6 18.2	history1 0.2 5.7 17.7	history2 0.6 10.1 21.8
FLUID DEGRAD Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	limit/base >25 9.8	current 14.0 7.8	history1 13.4 8.1	history2 19.9 4.7



## **OIL ANALYSIS REPORT**

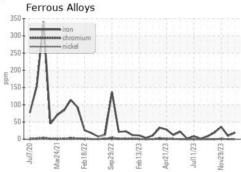


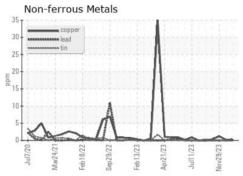


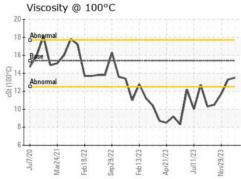
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

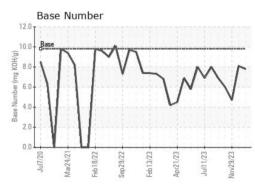
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	13.5	13.3	<u></u> 11.7	

#### **GRAPHS**













Certificate L2367

Laboratory Sample No.

Lab Number Unique Number : 10860067 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0107178 : 06077976

: 02 Feb 2024 Recieved Diagnosed Diagnostician : Wes Davis

: 02 Feb 2024

GFL Environmental - 010 - Stockbridge

1280 Rum Creek Parkway Stockbridge, GA US 30281

Contact: JOSHUA TINKER

joshuatinker@gflenv.com T:

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: GFL010 [WUSCAR] 06077976 (Generated: 02/02/2024 18:47:16) Rev: 1

F: