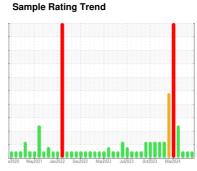


**OIL ANALYSIS REPORT** 

(DXE868) 3667

Component **Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (38 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

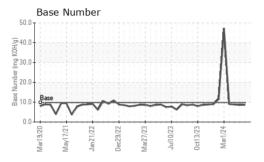
## **Fluid Condition**

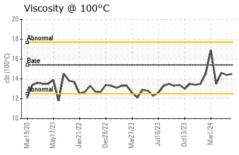
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

CAMPLE INFOR						
SAMPLE INFOR	MATION	method		current	history1	history2
Sample Number		Client Info		GFL0111458	GFL0068832	GFL0068813
Sample Date		Client Info		29 Mar 2024	22 Mar 2024	19 Mar 2024
Machine Age	hrs	Client Info		21112	21111	21061
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	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 METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>75	12	14	7
Chromium	ppm	ASTM D5185m	>5	<1	1	<1
Nickel	ppm	ASTM D5185m	>4	0	1	<1
Titanium	ppm	ASTM D5185m	>2	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>15	3	3	2
Lead	ppm	ASTM D5185m	>25	0	1	<1
Copper	ppm	ASTM D5185m	>100	4	6	5
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	8	6	6
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	60	55	58	58
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	1010	858	846	864
Calcium	ppm	ASTM D5185m	1070	965	1004	1049
Phosphorus	ppm	ASTM D5185m	1150	956	1014	945
Zinc	ppm	ASTM D5185m	1270	1128	1115	1187
Sulfur	ppm	ASTM D5185m	2060	3500	3171	3141
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	7	5
Sodium	ppm	ASTM D5185m		33	32	29
Potassium	ppm	ASTM D5185m	>20	19	21	19
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.2	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.5	6.4	5.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.1	18.1	17.6
FLUID DEGRAI	OATION	method	limit/base	current	history1	history2
	AL / 4	*ASTM D7414	>25	14.1	14.1	13.2
Oxidation	Abs/.1mm	A51WID/414	>20	14.1	14.1	13.2



# **OIL ANALYSIS REPORT**

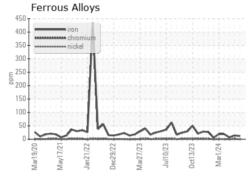


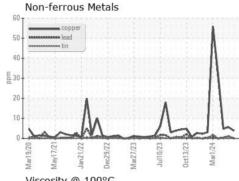


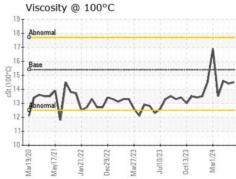
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

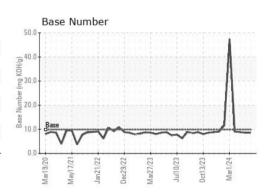
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	14.5	14.4	14.6	

# **GRAPHS**













Certificate L2367

Laboratory Sample No. Lab Number : 06136039

Test Package : FLEET

: GFL0111458 Unique Number: 10955504

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

Received **Tested** Diagnosed

: 02 Apr 2024 : 03 Apr 2024

: 03 Apr 2024 - Wes Davis

GFL Environmental - 073 - Warner Robins - Transwaste

155 Story Road Warner Robins, GA US 31093

Contact: Mike Taft

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)

T:

F: