

OIL ANALYSIS REPORT

(ECY338) **AUTOCAR 3742**

Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (10 GAL)

Sample Rating Trend



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

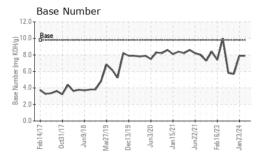
Fluid Condition

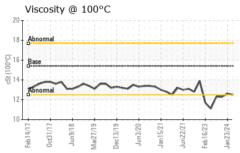
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM		method	limit/base	9 Jun2020 Jan2021 Jun2021 Feb2	history1	history2
	ATION		IIIIII/base	current	•	
Sample Number		Client Info		GFL0109071	GFL0109093	GFL0086217
Sample Date		Client Info		07 Feb 2024	23 Jan 2024	12 Sep 2023
3-	nrs	Client Info		18438	18298	15742
O .	nrs	Client Info		2696	2556	16898
Oil Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	ATTENTION
CONTAMINATIC	N	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
Iron	opm	ASTM D5185m	>165	18	12	23
Chromium	opm	ASTM D5185m	>5	2	1	2
	opm	ASTM D5185m	>4	0	0	0
Titanium	opm	ASTM D5185m	>2	<1	0	<1
	opm	ASTM D5185m	>2	0	0	0
Aluminum	opm	ASTM D5185m	>20	<1	1	4
Lead	opm	ASTM D5185m	>150	0	0	6
	opm	ASTM D5185m	>90	<1	<1	2
	opm	ASTM D5185m	>5	<1	<1	<1
·	opm	ASTM D5185m		<1	0	0
	opm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	opm	ASTM D5185m	0	16	16	7
	opm	ASTM D5185m	0	0	0	0
Molybdenum p	opm	ASTM D5185m	60	62	60	66
	opm	ASTM D5185m	0	<1	<1	<1
Magnesium	opm	ASTM D5185m	1010	779	813	869
Calcium	opm	ASTM D5185m	1070	1153	1191	1127
Phosphorus p	opm	ASTM D5185m	1150	977	1005	983
	opm	ASTM D5185m	1270	1139	1206	1168
Sulfur	opm	ASTM D5185m	2060	2942	3150	3131
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	opm	ASTM D5185m	>35	4	5	11
	opm	ASTM D5185m		4	2	3
Potassium	opm	ASTM D5185m	>20	0	<1	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>7.5	0.7	0.5	0.8
	Abs/cm	*ASTM D7624	>20	6.6	5.7	9.6
	Abs/.1mm	*ASTM D7415	>30	18.2	17.7	21.0
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
						, , , , , , , , , , , , , , , , , , , ,
Ovidation	Nha/1	*********	- OF	10 5	11.0	16.4
	Abs/.1mm	*ASTM D7414 ASTM D2896	>25 9.8	12.5 7.9	11.8 7.9	16.4 5.7



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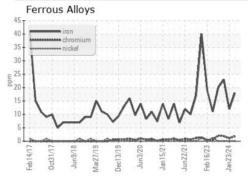


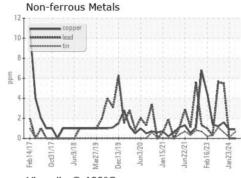


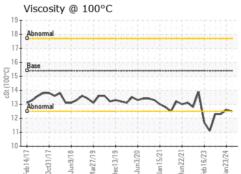
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

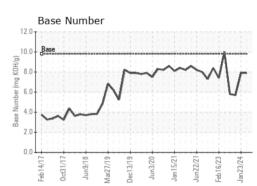
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	12.5	12.6	12.3

GRAPHS













Laboratory Sample No. Lab Number : 06084494

: GFL0109071 Unique Number: 10871939

Received **Tested**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 09 Feb 2024 : 09 Feb 2024

Diagnosed : 09 Feb 2024 - Wes Davis

GFL Environmental - 009 - Fairburn 6905 Roosevelt Hwy Fairburn, GA

US 30213 Contact: Eric Jones erjones@gflenv.com T: (678)630-9927

Test Package : FLEET Certificate L2367

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)