

## **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL



Machine Id 727076-361315.1

Component **Diesel Engine** Fluid

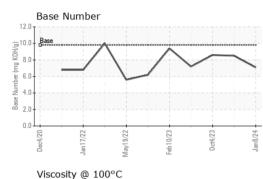
PETRO CANADA DURON SHP 15W40 (--- GAL)

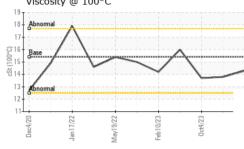
DIAGNOSIS	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0098356	GFL0098293	GFL0079342
Resample at the next service interval to monitor.	Sample Date		Client Info		08 Jan 2024	14 Nov 2023	04 Oct 2023
Wear		hrs	Client Info		14217	3919	3803
All component wear rates are normal.	•	hrs	Client Info		700	150	300
	Oil Changed		Client Info		Changed	Not Changd	N/A
<b>Contamination</b> There is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
oil.		~					
Fluid Condition	CONTAMINATIO	NC	method	limit/base	current	history1	history2
The BN result indicates that there is suitable	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
alkalinity remaining in the oil. The condition of the	Water		WC Method	>0.2	NEG	NEG	NEG
oil is suitable for further service.	Glycol		WC Method		NEG	NEG	NEG
	WEAR METALS	;	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>120	10	8	7
		ppm	ASTM D5185m		<1	<1	0
	Nickel	ppm	ASTM D5185m		0	0	0
		ppm	ASTM D5185m		<1	<1	0
		ppm	ASTM D5185m		0	0	0
		ppm	ASTM D5185m		<1	1	<1
		ppm	ASTM D5185m		<1	<1	0
	-	ppm	ASTM D5185m		2	2	1
		ppm	ASTM D5185m		0	0	0
		ppm	ASTM D5185m		<1	0	0
	- · ·	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	0	0	<1
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	57	61	59
		ppm	ASTM D5185m	0	<1	0	0
		ppm	ASTM D5185m		968	889	934
		ppm	ASTM D5185m		1023	1022	984
		ppm	ASTM D5185m		998	944	965
		ppm	ASTM D5185m		1242	1155	1198
		ppm	ASTM D5185m	2060	2919	3094	2932
	CONTAMINANT	ſS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	3	4	4
	Sodium	ppm	ASTM D5185m		27	23	17
	Potassium	ppm	ASTM D5185m	>20	<1	3	<1
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	3.3	1.3	0.7
		Abs/cm	*ASTM D7624		9.5	6.5	5.5
		Abs/.1mm	*ASTM D7415		24.3	19.4	17.4
	FLUID DEGRAD	ATI <u>ON</u>	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.3	12.9	12.1
	Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.1	8.5	8.6



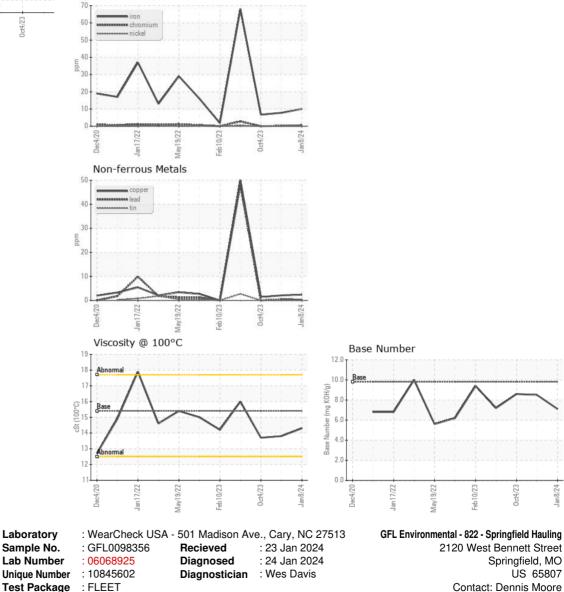
## **OIL ANALYSIS REPORT**

Ferrous Alloys





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	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.3	13.8	13.7
GRAPHS						





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)

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Jan 8/24

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