

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 811069

Fluid

Component **Diesel Engine**

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

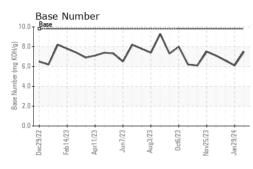
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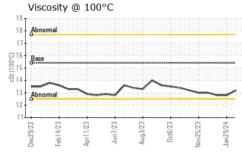


DIAGNOSIS	SAMPLE INFOF	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0068872	GFL0097161	GFL0068879
Resample at the next service interval to monitor.	Sample Date		Client Info		08 Feb 2024	29 Jan 2024	13 Jan 2024
Vear	Machine Age	hrs	Client Info		8835	8700	8550
Il component wear rates are normal.	Oil Age	hrs	Client Info		135	556	406
contamination	Oil Changed		Client Info		Not Changd	Changed	Not Changd
here is no indication of any contamination in the I.	Sample Status				NORMAL	NORMAL	NORMAL
uid Condition	CONTAMINA	TION	method	limit/base		history1	history2
he BN result indicates that there is suitable	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
kalinity remaining in the oil. The condition of the	Water		WC Method	>0.2	NEG	NEG	NEG
l is suitable for further service.	Glycol		WC Method		NEG	NEG	NEG
	WEAR METAL	S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m		1	9	5
	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>5	0	<1	0
	Titanium	ppm	ASTM D5185m	>2	0	<1	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	1	<1	2
	Lead	ppm	ASTM D5185m	>40	0	1	0
	Copper	ppm	ASTM D5185m	>330	0	2	1
	Tin	ppm	ASTM D5185m	>15	0	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	<1
	Cadmium	ppm	ASTM D5185m		0	<1	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	6	4	4
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	53	54	49
	Manganese	ppm	ASTM D5185m	0	<1	<1	0
	Magnesium	ppm	ASTM D5185m	1010	873	852	820
	Calcium	ppm	ASTM D5185m	1070	946	887	877
	Phosphorus	ppm	ASTM D5185m	1150	970	885	875
	Zinc	ppm	ASTM D5185m	1270	1139	1106	1075
	Sulfur	ppm	ASTM D5185m	2060	2782	2532	2631
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	3	5	4
	Sodium	ppm	ASTM D5185m		3	0	21
	Potassium	ppm	ASTM D5185m	>20	0	2	9
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.3	0.6	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	5.6	7.9	7.3
		Abs/.1mm	*ASTM D7415	>30	18.0	19.3	18.6
	Sulfation						
	Sulfation FLUID DEGRA		method	limit/base	current	history1	history2
			method *ASTM D7414		current	history1 14.5	history2 13.8

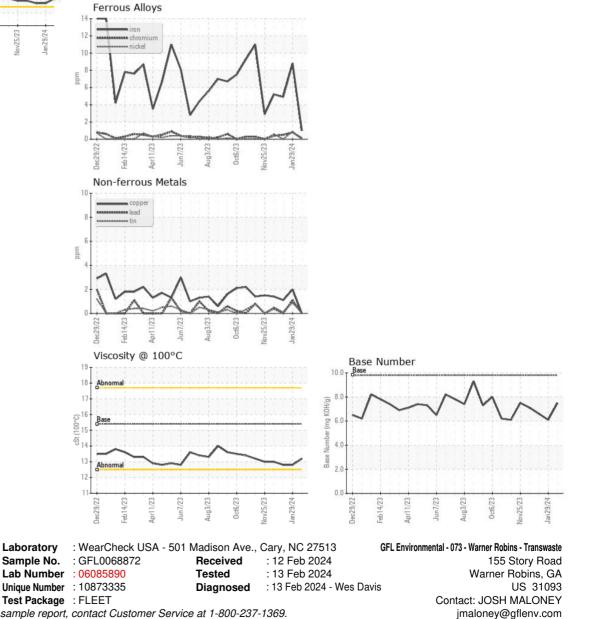


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.2	12.8	12.8
GRAPHS						





Certificate L2367
Test Package
: FLEET
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To discuss this sample report, contact Customer Service at 1-800-237-1369.
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