

## **OIL ANALYSIS REPORT**

Sample Rating Trend





Machine Id 912025

Fluid

Component **Diesel Engine** 

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

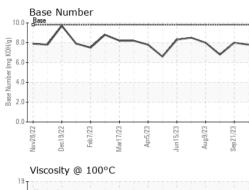
	Feb2023			
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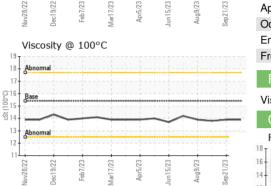


AGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
mmendation	Sample Number		Client Info		GFL0094828	GFL0086308	GFL0090445
mple at the next service interval to monitor.	Sample Date		Client Info		09 Oct 2023	21 Sep 2023	05 Sep 2023
	Machine Age	hrs	Client Info		6348	6211	6083
mponent wear rates are normal.	Oil Age	hrs	Client Info		1342	1205	1077
amination	Oil Changed		Client Info		N/A	N/A	N/A
is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINAT	ION	method	limit/base	current	history1	history2
Condition BN result indicates that there is suitable	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
hity remaining in the oil. The condition of the	Glycol		WC Method		NEG	NEG	NEG
suitable for further service.	WEAR METAL	S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>120	6	4	13
	Chromium	ppm	ASTM D5185m	>20	1	<1	<1
	Nickel	ppm	ASTM D5185m	>5	0	0	0
	Titanium	ppm	ASTM D5185m	>2	0	0	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	<1	<1	<1
	Lead	ppm	ASTM D5185m		0	0	<1
	Copper	ppm	ASTM D5185m		<1	2	3
	Tin	ppm	ASTM D5185m		<1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	3	5	<1
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	59	65	65
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		828	963	1062
	Calcium	ppm	ASTM D5185m		941	1081	1163
	Phosphorus	ppm	ASTM D5185m		903	1056	1014
	Zinc	ppm	ASTM D5185m		1056	1262	1321
	Sulfur	ppm	ASTM D5185m		2708	3755	3208
	CONTAMINAN	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	4	3	5
	Sodium	ppm	ASTM D5185m		<1	5	3
	Potassium	ppm	ASTM D5185m	>20	2	2	<1
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.3	0.3	0.8
	Nitration	Abs/cm	*ASTM D7624	>20	5.9	5.5	8.6
	Sulfation	Abs/.1mm	*ASTM D7415		17.9	17.5	20.1
			mathad	limit/base	current	history1	history2
	FLUID DEGRA	DATION	method	iiiiii/base	current	Thistory I	riistor y z
	FLUID DEGRA Oxidation		*ASTM D7414		13.5	13.2	16.0

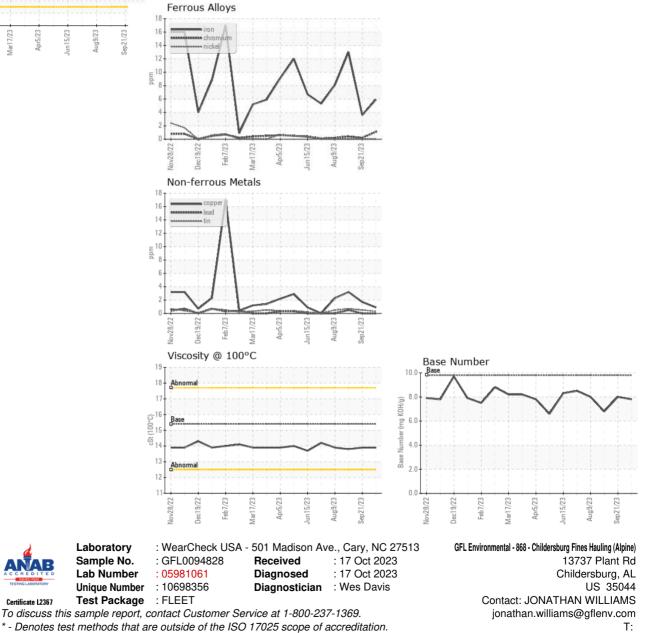


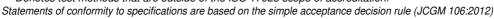
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	13.9	13.9	13.8
GRAPHS						





Certificate L2367

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