

OIL ANALYSIS REPORT





Machine Id **7821** Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- LTR)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0097639	GFL0093906	GFL0077980
Sample Date		Client Info		07 Oct 2023	25 Sep 2023	22 Apr 2023
Machine Age	hrs	Client Info		18437	18243	17828
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Sample Status				MARGINAL	ABNORMAL	NORMAL
CONTAMINATIO	NC	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>110	4	20	6
Chromium	ppm	ASTM D5185(m)	>4	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>2	<1	<1	0
	ppm	ASTM D5185(m)	>25	1	2	2
	ppm	ASTM D5185(m)	>45	<1	2	<1
-	ppm	ASTM D5185(m)		<1	1	<1
	ppm	ASTM D5185(m)	>4	0	0	0
	ppm	ASTM D5185(m)		0	0	0
	ppm	ASTM D5185(m)		0	0	0
	ppm	ASTM D5185(m)		0	0	0
	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	2	2	2
	ppm	ASTM D5185(m)	0	<1	<1	0
	ppm	ASTM D5185(m)	50	57	55	55
	ppm	ASTM D5185(m)	0	0	0	<1
	ppm	ASTM D5185(m)	950	927	881	917
U	ppm	. 7	1050	1007	953	1039
	ppm	ASTM D5185(m)	995	980	902	1028
	ppm	ASTM D5185(m)	1180	1132	1090	1111
	ppm	ASTM D5185(m)	2600	2517	2259	2560
	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	3	8	4
Sodium	ppm	ASTM D5185(m)		4	9	4
	ppm	ASTM D5185(m)	>20	0	1	<1
	%	ASTM D7593*	>5	<u> </u>	▲ 7.8	<1.0
INFRA-RED		method	limit/base	current	history1	history2
	%	ASTM D7844*	>3	0.2	1.1	0.3
	Abs/cm	ASTM D7624*	>20	5.7	10.2	6.5
	Abs/cm Abs/.1mm	ASTM D7624 ASTM D7415*	>20 >30	5.7 19.0	23.9	6.5 19.4
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
	Abs/.1mm	ASTM D7414*	>25	14.6	22.8	14.8
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