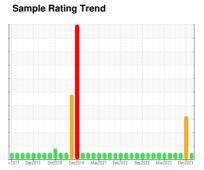


# **OIL ANALYSIS REPORT**



Machine Id 7178 Component **Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (18 LTR)





### DIAGNOSIS

### Recommendation

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

All component wear rates are normal.

### Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

### **Fluid Condition**

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

SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0126246	GFL0097535	GFL009754
Sample Date		Client Info		16 Jul 2024	19 Dec 2023	19 Oct 2023
Machine Age	hrs	Client Info		24114	22268	21709
Oil Age	hrs	Client Info		1260	559	543
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	SEVERE	NORMAL
CONTAMINA <sup>*</sup>	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR META	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>75	57	<b>A</b> 80	29
Chromium	ppm	ASTM D5185(m)	>5	2	3	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	<1	0	<1
Aluminum	ppm	ASTM D5185(m)	>15	4	5	9
Lead	ppm	ASTM D5185(m)	>25	0	<1	<1
Copper	ppm	ASTM D5185(m)	>100	2	2	1
Tin	ppm	ASTM D5185(m)	>4	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	4	3	5
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	62	50	60
Manganese	ppm	ASTM D5185(m)	0	<1	<1	0
Magnesium	ppm	ASTM D5185(m)	1010	974	786	946
Calcium	ppm	ASTM D5185(m)	1070	1072	890	1051
Phosphorus	ppm	ASTM D5185(m)	1150	1023	808	1000
Zinc	ppm	ASTM D5185(m)	1270	1226	978	1180
Sulfur	ppm	ASTM D5185(m)	2060	2297	1991	2473
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAL	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	5	7	5
Sodium	ppm	ASTM D5185(m)		6	8	6
Potassium	ppm	ASTM D5185(m)	>20	4	6	19
Fuel	%	ASTM D7593*	>3.0	0.7	<b>▲</b> 11.3	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	1.5	1	0.7
Nitration	Abs/cm	ASTM D7624*	>20	12.8	14.1	9.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.5	25.7	20.3



## **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02648584 Unique Number : 5814136

: GFL0126246

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 18 Jul 2024 **Tested** Diagnosed

: 19 Jul 2024 : 19 Jul 2024 - Wes Davis

Test Package : MOB 1 ( Additional Tests: PercentFuel ) To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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T: (416)678-9340

Submitted By: Tom Hatzioannidis