

Machine Id **1504** Component **Rear Diesel Engine** Fluid **PETRO CANADA DURON SHP 15W40 (--- GAL)**

DEC	MEND/	
neu		

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Please specify the component make and model with your next sample.

WEAR

Metal levels are typical for a new component breaking in.

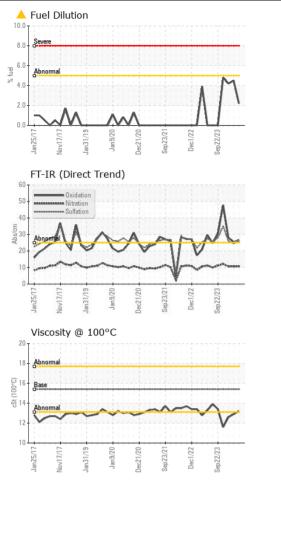
CONTAMINATION

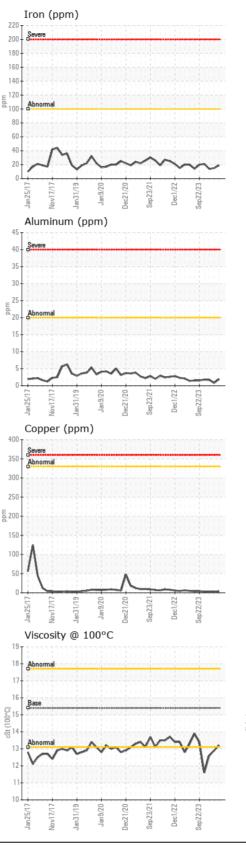
Light fuel dilution occurring. No other contaminants were detected in the oil.

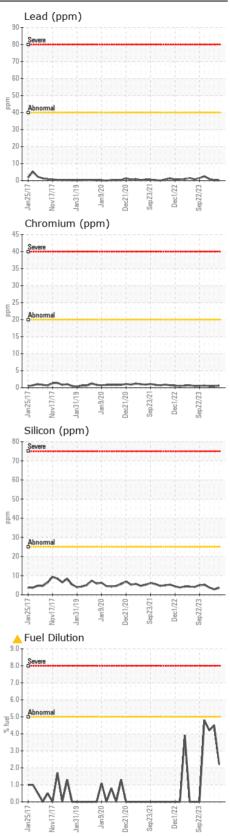
FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0932518	WC0913031	WC0895809
Sample Date		Client Info		23 Apr 2024	29 Feb 2024	10 Jan 2024
Machine Age	hrs	Client Info		586	28211	27724
Oil Age	hrs	Client Info		0	487	474
Filter Age	hrs	Client Info		0	487	474
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				MARGINAL	MARGINAL	MARGINAL
Iron	ppm	ASTM D5185(m)	>100	19	15	14
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	2	<1	2
Lead	ppm	ASTM D5185(m)	>40	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>330	4	3	3
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Silicon	ppm	ASTM D5185(m)	>25	4	3	4
Potassium	ppm	ASTM D5185(m)	>20	0	0	0
Fuel	%	ASTM D7593*	>5	2.2	4.5	4.2
Water	,	WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.6	0.5	0.4
Nitration	Abs/cm	ASTM D7624*	>20	10.7	10.6	10.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.9	24.5	26.0
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium		ACTM DE105(m)		 0	0	 0
Sodium	ppm	ASTM D5185(m)	0	2	2	2
Boron Barium	ppm	ASTM D5185(m)	0	2	0	2
	ppm	ASTM D5185(m) ASTM D5185(m)	0	0	58	57
Molybdenum Manganese	ppm	× 7	60 0	60 -1	0	0
Magnesium	ppm	ASTM D5185(m) ASTM D5185(m)	0 1010	<1 986	963	925
Calcium	ppm	ASTM D5185(m) ASTM D5185(m)	1070	1073	1029	1020
	ppm	ASTM D5185(m)	1150	973		924
Phosphorus	ppm	× 7			936	
Zinc	ppm	ASTM D5185(m)	1270	1202	1138	1102
Sulfur Oxidation	ppm	ASTM D5185(m)	2060	2369	2372	2506
	Abs/.1mm	ASTM D7414*	>25	26.8	25.4	28.0
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	13.2	12.9	12.6







Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Sample No. Received : WC0932518 : 25 Apr 2024 Lab Number : 02631301 Tested : 26 Apr 2024 ISO 17025:2017 Accredited Unique Number : 5772454 Diagnosed : 26 Apr 2024 - Kevin Marson Laboratory Test Package : MOB 1 (Additional Tests: FUELDILUTION, PercentFuel, Visual) 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.

KINGSTON TRANSIT 1181 JOHN COUNTER BLVD KINGSTON, ON CA K7K 6C7 Contact: Brent Gunter bgunter@cityofkingston.ca T: (613)546-4291 F: (613)542-1504

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Contact/Location: Brent Gunter - KIN399KIN Page 2 of 2