

## Machine Id **1258** Component **Rear Diesel Engine** Fluid **PETRO CANADA DURON HP 15W40 (--- GAL) RECOMMENDATION**

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	

All component wear rates are normal.

## CONTAMINATION

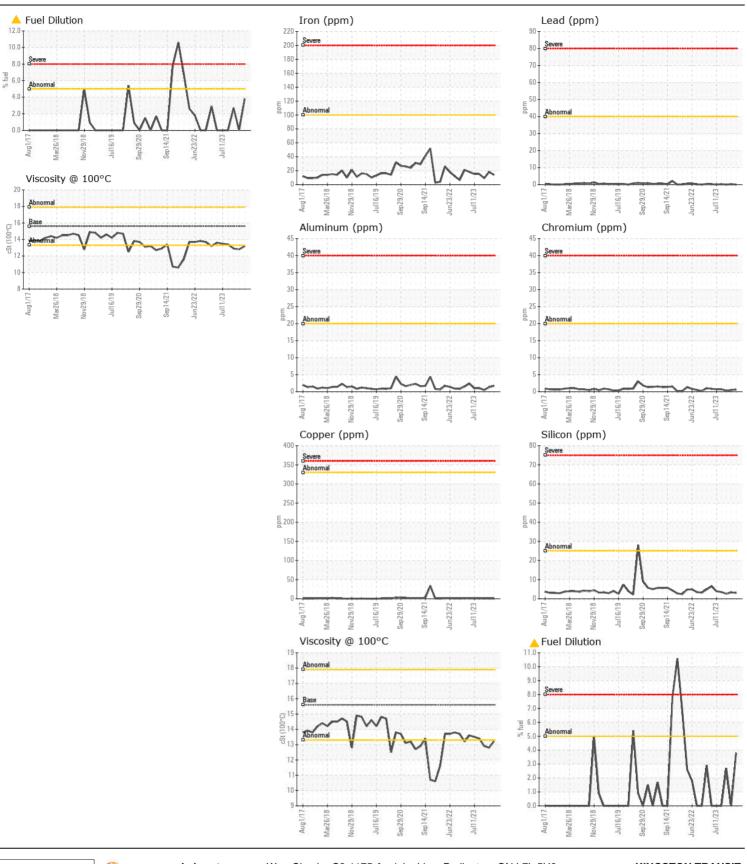
Light fuel dilution occurring. No other contaminants were detected in the oil.

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2	
Sample Number		Client Info		WC0895800	WC0882993	WC0858505	
Sample Date		Client Info		15 Jan 2024	24 Nov 2023	26 Sep 2023	
Machine Age	hrs	Client Info		43151	42655	42118	
Oil Age	hrs	Client Info		496	537	324	
Filter Age	hrs	Client Info		496	537	324	
Oil Changed		Client Info		Changed	Changed	Changed	
Filter Changed		Client Info		Changed	Changed	Changed	
Sample Status				MARGINAL	NORMAL	MARGINAL	
 			100		10	0	
Iron	ppm	ASTM D5185(m)	>100	14	18	9	
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1	
Nickel	ppm	ASTM D5185(m)	>4	0	<1	0	
Titanium	ppm	ASTM D5185(m)	0	0	0	0	
Silver	ppm	ASTM D5185(m)	>3	0	<1	<1	
Aluminum	ppm	ASTM D5185(m)	>20	2	1	<1	
Lead	ppm	ASTM D5185(m)	>40	0	<1	0	
Copper	ppm	ASTM D5185(m)	>330	<1	<1	<1	
Tin	ppm	ASTM D5185(m)	>15	0	0	0	
 Vanadium	ppm	ASTM D5185(m)		0	0	0	
Silicon	ppm	ASTM D5185(m)	>25	3	3	3	
Potassium	ppm	ASTM D5185(m)	>20	<1	0	0	
Fuel	%	ASTM D7593*	>5	<b>3</b> .8	<1.0	<b>2</b> .7	
Water		WC Method	>0.2	NEG	NEG	NEG	
Glycol		WC Method		NEG	NEG	NEG	
Soot %	%	ASTM D7844*	>3	0.9	0.9	0.5	
Nitration	Abs/cm	ASTM D7624*	>20	11.0	10.9	8.7	
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.6	28.5	25.7	
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG	
 Sodium	ppm	ASTM D5185(m)		5	12	7	
Boron	ppm	ASTM D5185(m)	0	2	1	2	
Barium	ppm	ASTM D5185(m)	0	0	<1	<1	
Molybdenum	ppm	ASTM D5185(m)	60	57	59	57	
Manganese	ppm	ASTM D5185(m)	0	0	0	0	
Magnesium	ppm	ASTM D5185(m)	1010	916	921	920	
Calcium	ppm	ASTM D5185(m)	1070	1016	1023	1008	
Phosphorus	ppm	ASTM D5185(m)	1150	923	882	964	
Zinc	ppm	ASTM D5185(m)	1270	1103	1113	1139	
Sulfur	ppm	ASTM D5185(m)	2060	2571	2424	2434	
Oxidation	Abs/.1mm	ASTM D3103(III)	>25	26.1	32.6	27.5	
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	13.2	12.8	12.9	
	001	A01101213(III)	15.0	13.2	12.0	12.3	

Contact/Location: Brent Gunter - KIN399KIN



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Sample No. : WC0895800 Recieved : 22 Jan 2024 Lab Number : 02610102 Diagnosed : 23 Jan 2024 ISO 17025:2017 Accredited Laboratory : 5711188 Unique Number Diagnostician : Kevin Marson Test Package : MOB 1 (Additional Tests: FuelDilution, 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.