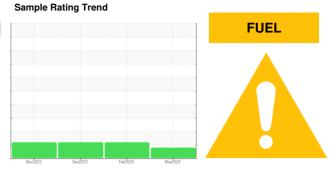


OIL ANALYSIS REPORT

Machine Id 55006 **Diesel Engine**

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



DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

All component wear rates are normal.

Contamination

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0915492	WC0892099	WC0854793
Sample Date		Client Info		20 Mar 2024	02 Feb 2024	22 Dec 2023
Machine Age	mls	Client Info		870260	860156	850889
Oil Age	mls	Client Info		10104	9267	9735
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	22	16	26
Chromium	ppm	ASTM D5185(m)	>20	1	<1	1
Nickel	ppm	ASTM D5185(m)	>2	0	0	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	1	1	2
Lead	ppm	ASTM D5185(m)	>30	1	2	2
Copper	ppm	ASTM D5185(m)	>30	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	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	<1	1	4
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	59	60	57
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	1010	984	976	919
Calcium	ppm	ASTM D5185(m)	1070	1048	1103	1070
Phosphorus	ppm	ASTM D5185(m)	1150	975	1030	961
Zinc	ppm	ASTM D5185(m)	1270	1174	1180	1124
Sulfur	ppm	ASTM D5185(m)	2060	2420	2673	2550
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	2	3	4
Sodium	ppm	ASTM D5185(m)		6	1	2
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	2
Fuel	%	ASTM D7593*	>3.0	△ 3.4	▲ 3.4	△ 3.5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	1.3	0.7	1.4
Nitration	Abs/cm	ASTM D7624*	>20	7.7	7.5	7.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.8	20.3	21.1



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Unique Number : 5760042

: WC0915492 Lab Number : 02626910

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 05 Apr 2024 **Tested**

: 08 Apr 2024 Diagnosed : 08 Apr 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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