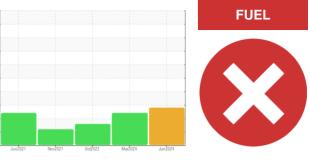


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

801186

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

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

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

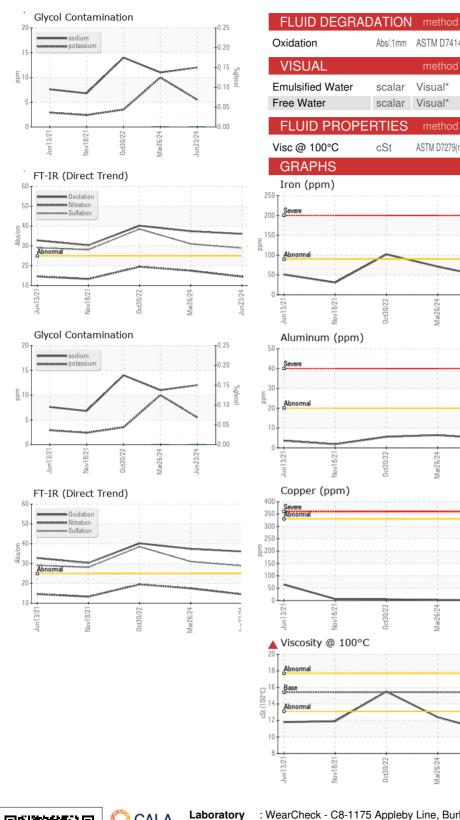
Fluid Condition

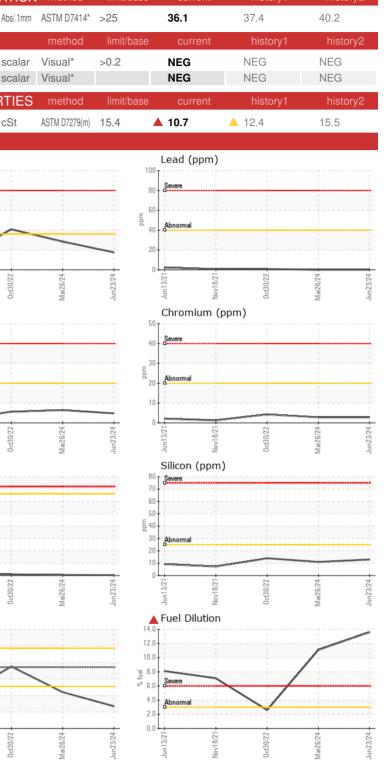
Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0100579	GFL0100605	GFL0054672
Sample Date		Client Info		23 Jun 2024	26 Mar 2024	30 Oct 2022
Machine Age	hrs	Client Info		18999	18430	15346
Oil Age	hrs	Client Info		0	904	1256
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				SEVERE	SEVERE	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>90	44	71	1 02
Chromium	ppm	ASTM D5185(m)	>20	3	3	4
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	5	6	6
Lead	ppm	ASTM D5185(m)	>40	0	0	<1
Copper	ppm	ASTM D5185(m)	>330	2	2	5
Tin	ppm	ASTM D5185(m)	>15	0	0	<1
Antimony	ppm	ASTM D5185(m)		0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	<1
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	2	2	4
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	46	51	60
Manganese	ppm	ASTM D5185(m)	0	<1	0	1
Magnesium	ppm	ASTM D5185(m)	1010	742	825	982
Calcium	ppm	ASTM D5185(m)	1070	808	909	1106
Phosphorus	ppm	ASTM D5185(m)	1150	741	832	1074
Zinc	ppm	ASTM D5185(m)	1270	919	1005	1242
Sulfur	ppm	ASTM D5185(m)	2060	1876	1934	2324
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	13	11	14
Sodium	ppm	ASTM D5185(m)		12	11	14
Potassium	ppm	ASTM D5185(m)	>20	6	10	4
Fuel	%	ASTM D7593*	>3.0	1 3.6	1 1.1	2 .6
Glycol	%	ASTM D7922*		0.0	0.0	NEG
INFRA-RED		method	limit/base	current	history1	history2
INFRA-RED Soot %	%	method ASTM D7844*	limit/base	current 0.7	history1 1.1	history2 1.7
	% Abs/cm					



OIL ANALYSIS REPORT





: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 575 - Squamish Hauling CALA Sample No. : GFL0100579 Received : 26 Jun 2024 38950 Queens Way, Lab Number : 02644096 Tested : 27 Jun 2024 Squamish, BC ISO 17025:2017 Accredited CA V8B 0K8 Unique Number : 5801635 Diagnosed : 27 Jun 2024 - Kevin Marson Laboratory Test Package : MOB 1 (Additional Tests: Glycol, PercentFuel) Contact: Dean Imbeau To discuss this sample report, contact Customer Service at 1-800-268-2131. dimbeau@gflenv.com T: (604)892-5604 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. F: (604)892-5238

Report Id: GFL575 [WCAMIS] 02644096 (Generated: 06/27/2024 10:51:10) Rev: 1

Submitted By: Jonas Araujo Page 2 of 2