

OIL ANALYSIS REPORT



NORMAL

Machine Id 701042

Component Front Diesel Engine

Fluid PETRO CANADA DURON SHP 15W40 (20 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

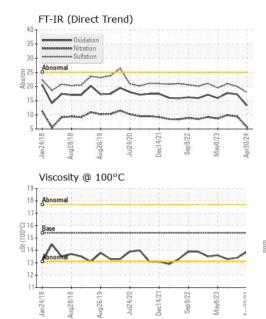
Fluid Condition

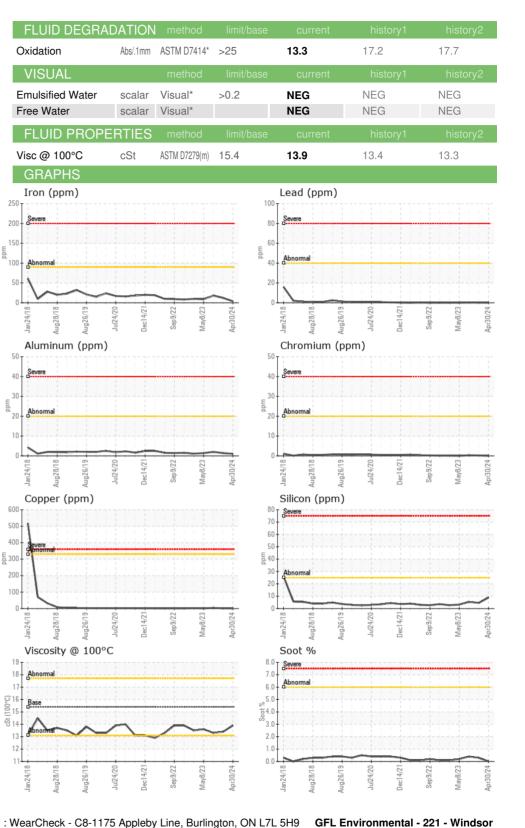
The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0116836	GFL0110725	GFL0085659
Sample Date		Client Info		30 Apr 2024	26 Jan 2024	07 Nov 2023
Machine Age	hrs	Client Info		1360	1360	1360
Oil Age	hrs	Client Info		1360	1360	1360
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>90	4	12	18
Chromium	ppm	ASTM D5185(m)	>20	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	1	1	2
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)		<1	1	4
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	3	2	2
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	56	56	57
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	1010	937	910	911
Calcium	ppm	ASTM D5185(m)	1070	1008	1012	1016
Phosphorus	ppm	ASTM D5185(m)	1150	958	927	900
Zinc	ppm	ASTM D5185(m)	1270	1142	1136	1155
Sulfur	ppm	ASTM D5185(m)	2060	2486	2465	2296
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	9	5	5
Sodium	ppm	ASTM D5185(m)		<1	2	2
Potassium	ppm	ASTM D5185(m)	>20	<1	1	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0	0.3	0.4
Nitration	Abs/cm	ASTM D7624*	>20	5.7	9.4	9.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.9	20.0	21.0
Canadon	/ 100/ . 111111		200	11.5	20.0	21.0



OIL ANALYSIS REPORT







Received :03 May 2024 905 Tecumseh Road W Tested :03 May 2024 Windsor, ON CA N8W 4J5 Diagnosed : 03 May 2024 - Wes Davis Contact: Rhys Marotte To discuss this sample report, contact Customer Service at 1-800-268-2131. rmarotte@gflenv.com 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.

Report Id: GFL221 [WCAMIS] 02632971 (Generated: 05/03/2024 13:14:12) Rev: 1

CALA

ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No.

Lab Number : 02632971

Unique Number : 5774124

Test Package : MOB 1

: GFL0116836

Submitted By: Rhys Marotte Page 2 of 2

T:

F: