

OIL ANALYSIS REPORT

Sample Rating Trend





413101 Component Diesel Engine

PETRO CANADA DURON XL SYN BLEND 15W40 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

Machine Id

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117339	GFL0112426	GFL0099531
Sample Date		Client Info		08 May 2024	21 Feb 2024	17 Dec 2023
Machine Age	hrs	Client Info		557	2493	2123
Oil Age	hrs	Client Info		557	378	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<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)	>80	20	15	21
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	3	3	3
Lead	ppm	ASTM D5185(m)	>30	0	<1	0
Copper	ppm	ASTM D5185(m)	>150	1	1	1
Tin	ppm	ASTM D5185(m)	>5	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)	1	5	3	2
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	56	55	58
Manganese	ppm	ASTM D5185(m)	1	<1	0	0
Magnesium	ppm	ASTM D5185(m)	1010	915	915	941
Calcium	ppm	ASTM D5185(m)	1070	1060	1046	1116
Phosphorus	ppm	ASTM D5185(m)	1150	966	894	1003
Zinc	ppm	ASTM D5185(m)	1270	1073	1016	1189
Sulfur	ppm	ASTM D5185(m)	2060	2091	2182	2621
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	5	2	3
Sodium	ppm	ASTM D5185(m)		1	1	1
Potassium	ppm	ASTM D5185(m)	>20	3	3	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.7	0.5	0.7
Nitration	Abs/cm	ASTM D7624*		8.5	7.7	8.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.9	21.7	21.6



35

30

g 25

¥20 15

10

10.0 Base

6.

2

19

18

cSt (100°C)

-14

13

12

Mav23/23

Bas

Abnormal

Aug9/23

(mg KOH/g)

umbe 4.

Base

Mav23/23

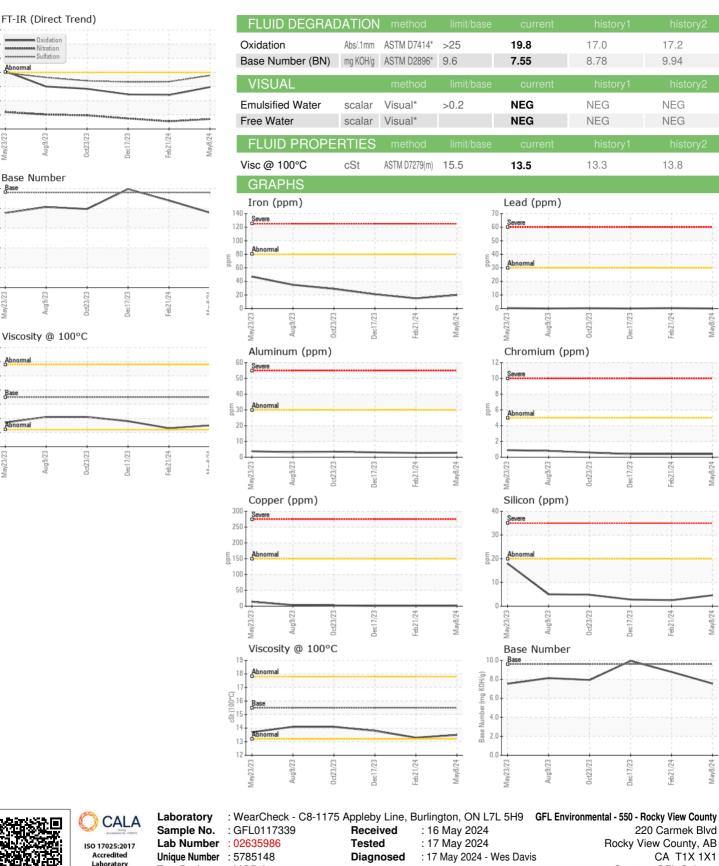
Oxidation

Sulfation

Aug9/23

Base Number

OIL ANALYSIS REPORT



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.

Test Package : MOB 2

Report Id: GFL550 [WCAMIS] 02635986 (Generated: 05/17/2024 09:36:44) Rev: 1

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