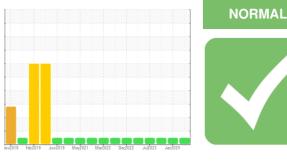


# **OIL ANALYSIS REPORT**

Sample Rating Trend



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

### DIAGNOSIS Recommendation

Resample at the next service interval to monitor.

Machine Id 801109

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

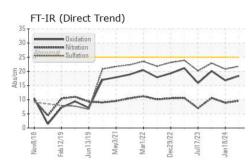
### Fluid Condition

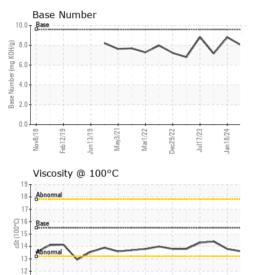
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117273	GFL0099556	GFL0091599
Sample Date		Client Info		30 Apr 2024	18 Jan 2024	08 Nov 2023
Machine Age	hrs	Client Info		11960	247185	241633
Oil Age	hrs	Client Info		588	0	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	33	36	65
Chromium	ppm	ASTM D5185(m)	>5	2	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	<1
Aluminum	ppm	ASTM D5185(m)	>30	5	6	6
Lead	ppm	ASTM D5185(m)	>30	0	0	0
Copper	ppm	ASTM D5185(m)	>150	2	2	3
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	2	2	2
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	61	58	60
Manganese	ppm	ASTM D5185(m)	1	<1	0	0
Magnesium	ppm	ASTM D5185(m)	1010	988	922	964
Calcium	ppm	ASTM D5185(m)	1070	1089	1055	1071
Phosphorus	ppm	ASTM D5185(m)	1150	981	987	989
Zinc	ppm	ASTM D5185(m)	1270	1220	1189	1205
Sulfur	ppm	ASTM D5185(m)	2060	2214	2553	2328
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	6	8	6
Sodium	ppm	ASTM D5185(m)		9	7	10
Potassium	ppm	ASTM D5185(m)	>20	1	1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.8	0.6	0.8
Nitration	Abs/cm	ASTM D7624*	>20	9.6	8.9	10.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.8	20.8	22.9



# **OIL ANALYSIS REPORT**





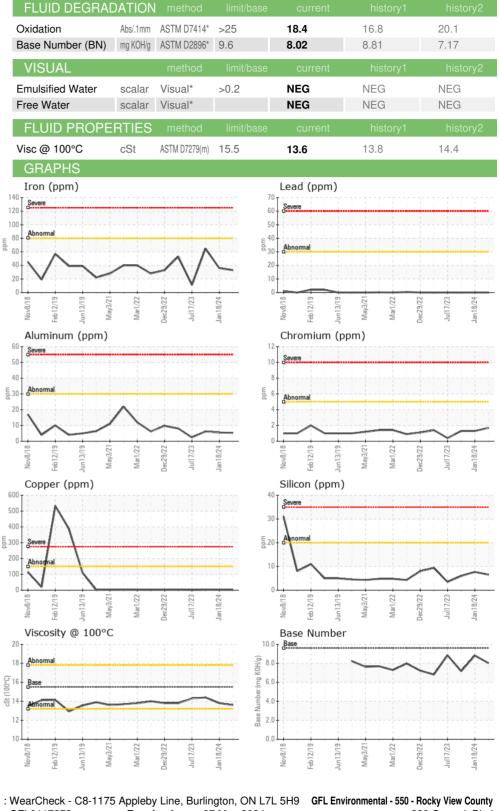
Mar1/22 -

Jov8/18

eh12/19

sc29/22

ul17/23



Laboratory CALA Sample No. : GFL0117273 Received :07 May 2024 Lab Number : 02633820 Tested :07 May 2024 ISO 17025:2017 Accredited Unique Number : 5774973 Diagnosed : 07 May 2024 - Wes Davis Laboratory Test Package : MOB 2 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.

220 Čarmek Blvd Rocky View County, AB CA T1X 1X1 Contact: GFL Calgary calgarymaintenance@gflenv.com T: F: (403)369-6163

Report Id: GFL550 [WCAMIS] 02633820 (Generated: 05/07/2024 16:29:45) Rev: 1

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