

# **OIL ANALYSIS REPORT**

### Guiii

# Sample Rating Trend NORMAL



Machine Id
801108
Component
Diesel Engine
Fluid

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

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

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117292	GFL0091592	GFL0091653
Sample Date		Client Info		25 Apr 2024	19 Nov 2023	28 Sep 2023
Machine Age	hrs	Client Info		0	13685	1240
Oil Age	hrs	Client Info		603	419	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
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>80	34	20	27
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	<1	<1
Aluminum	ppm	ASTM D5185(m)	>30	6	8	10
Lead	ppm	ASTM D5185(m)	>30	0	0	0
Copper	ppm	ASTM D5185(m)	>150	2	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	2	2	2
Barium	ppm	ASTM D5185(m)	1	0	<1	<1
Molybdenum	ppm	ASTM D5185(m)	60	61	57	62
Manganese	ppm	ASTM D5185(m)	1	<1	0	0
Magnesium	ppm	ASTM D5185(m)	1010	937	879	949
Calcium	ppm	ASTM D5185(m)	1070	1032	974	1064
Phosphorus	ppm	ASTM D5185(m)	1150	950	931	984
Zinc	ppm	ASTM D5185(m)	1270	1162	1125	1204
Sulfur	ppm	ASTM D5185(m)	2060	2238	2296	2446
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	11	10	15
Sodium	ppm	ASTM D5185(m)		114	86	84
Potassium	ppm	ASTM D5185(m)	>20	6	10	14
Glycol	%	ASTM D7922*		0.0	0.0	0.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	1	0.6	0.9
5001 %	/0	7101111 27011	- 0	•	0.0	0.0
Nitration	Abs/cm	ASTM D7624*	>20	10.8	10.2	9.7



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County : GFL0117292

Lab Number : 02632476 Unique Number : 5773629

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test Package : MOB 2 ( Additional Tests: Glycol )

Received **Tested** Diagnosed

:01 May 2024 : 02 May 2024

: 02 May 2024 - Wes Davis

220 Carmek Blvd Rocky View County, AB **CA T1X 1X1** Contact: GFL Calgary

calgarymaintenance@gflenv.com

T: F: (403)369-6163

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.