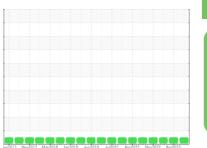


# **OIL ANALYSIS REPORT**

# Sample Rating Trend







# E o in

Machine Id
4515
Component
Front Diesel Ei

Front Diesel Engine

PETRO CANADA DURON XL SYN BLEND 15W40 (38 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

4/2017 Nov2017 May2018 Jan2019 Jun2019 Jun2019 Jun2012 Apr2022 Nov2022 Apr2023						
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0084324	GFL0077572	GFL0063752
Sample Date		Client Info		10 Aug 2023	20 Apr 2023	26 Jan 2023
Machine Age	hrs	Client Info		20112	19581	19189
Oil Age	hrs	Client Info		580	402	527
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAI	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	7	5	6
Chromium	ppm	ASTM D5185(m)	>20	<1	0	0
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	2	1	2
Lead	ppm	ASTM D5185(m)	>40	1	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	<1	0	<1
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	3	2	2
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	59	57	58
Manganese	ppm	ASTM D5185(m)	1	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	969	945	929
Calcium	ppm	ASTM D5185(m)	1070	1091	1114	1102
Phosphorus	ppm	ASTM D5185(m)	1150	1036	1056	1026
Zinc	ppm	ASTM D5185(m)	1270	1184	1171	1186
Sulfur	ppm	ASTM D5185(m)	2060	2453	2577	2533
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	8	8	4
Sodium	ppm	ASTM D5185(m)		6	4	5
Potassium	ppm	ASTM D5185(m)	>20	1	<1	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.3	0.1	0
Nitration	Abs/cm	ASTM D7624*	>20	8.2	6.7	7.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.3	19.1	20.5



# **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited

Laboratory Sample No. Lab Number Unique Number

: GFL0084324

: 02575833 : 5628893 Test Package : MOB 2

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County Received : 15 Aug 2023 Diagnosed

: Wes Davis Diagnostician

: 16 Aug 2023

220 Carmek Blvd Rocky View County, AB **CA T1X 1X1** 

Contact: GFL Calgary calgarymaintenance@gflenv.com T:

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.

F: (403)369-6163