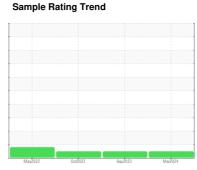


# **OIL ANALYSIS REPORT**



NORMAL



257007 Component

**Diesel Engine** 

PETRO CANADA DURON UHP 5W30 (--- GAL)

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

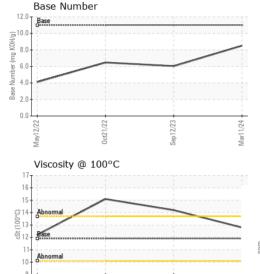
### **Fluid Condition**

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

May2022						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0112477	GFL0091607	GFL0060238
Sample Date		Client Info		11 Mar 2024	12 Sep 2023	21 Oct 2022
Machine Age	kms	Client Info		230826	7709	189505
Oil Age	kms	Client Info		0	600	25686
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)	>100	29	47	96
Chromium	ppm	ASTM D5185(m)	>20	1	2	2
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)		4	4	7
Lead	ppm	ASTM D5185(m)	>40	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>330	16	28	36
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	22	15	24
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	64	61	67	100
Manganese	ppm	ASTM D5185(m)	0	0	<1	2
Magnesium	ppm	ASTM D5185(m)	1160	1133	1114	1019
Calcium	ppm	ASTM D5185(m)	820	835	813	942
Phosphorus	ppm	ASTM D5185(m)	1160	983	982	981
Zinc	ppm	ASTM D5185(m)	1260	1216	1179	1165
Sulfur	ppm	ASTM D5185(m)	3000	2703	2419	2464
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	6	11	11
Sodium	ppm	ASTM D5185(m)		5	7	8
Potassium	ppm	ASTM D5185(m)	>20	1	1	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	13.4	15.9	18.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	26.2	30.9	34.8

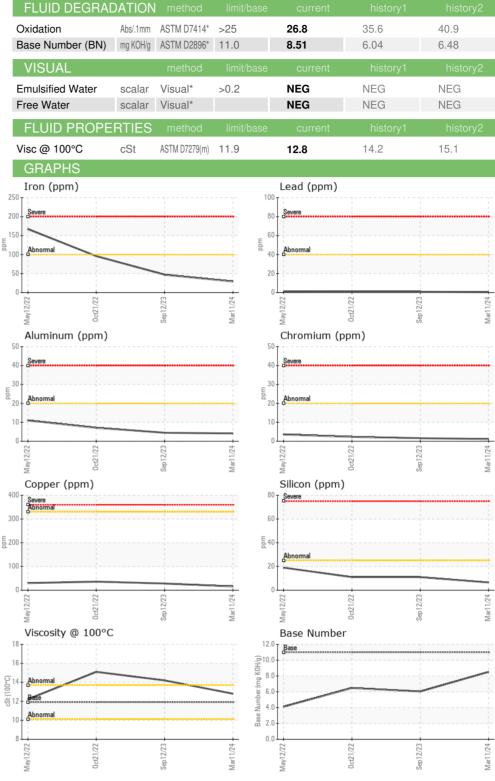


# **OIL ANALYSIS REPORT**



Oct21/22

Sep12/23





CALA ISO 17025:2017 Accredited

Laboratory

Sample No.

Lab Number : 02621413 Unique Number : 5746532

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County : GFL0112477

Test Package : MOB 2

Received : 12 Mar 2024 **Tested** 

Diagnosed

: 13 Mar 2024 : 14 Mar 2024 - Kevin Marson

220 Carmek Blvd Rocky View County, AB

**CA T1X 1X1** Contact: GFL Calgary calgarymaintenance@gflenv.com

Submitted By: GFL Calgary

F: (403)369-6163

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.

T: