

# **OIL ANALYSIS REPORT**

# Sample Rating Trend

### **NORMAL**





# (MRU613) 9136 Front Diesel Engine

PETRO CANADA DURON XL SYN BLEND 15W40 (27 LTR)

# 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

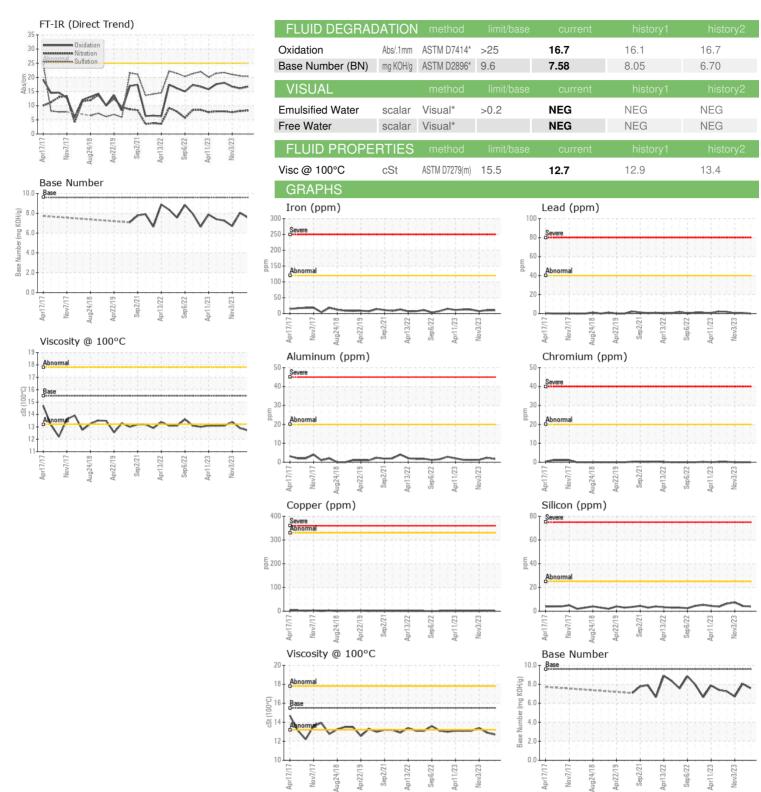
### **Fluid Condition**

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

SAMPLE INFORM	NOITAN	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117278	GFL0099622	GFL0091587
Sample Date		Client Info		18 Apr 2024	25 Jan 2024	03 Nov 2023
Machine Age	hrs	Client Info		21477	20798	50291
Oil Age	hrs	Client Info		690	563	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	2.8	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>120	10	10	8
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	2	1
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)	>330	1	2	<1
Tin	ppm	ASTM D5185(m)	>15	0	<1	<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	3
Barium	ppm	ASTM D5185(m)	1	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	55	57	56
Manganese	ppm	ASTM D5185(m)	1	0	0	0
Magnesium	ppm	ASTM D5185(m)	1010	906	903	900
Calcium	ppm	ASTM D5185(m)	1070	991	1044	1020
Phosphorus	ppm	ASTM D5185(m)	1150	904	950	928
Zinc	ppm	ASTM D5185(m)	1270	1108	1164	1110
Sulfur	ppm	ASTM D5185(m)	2060	2125	2501	2317
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	4	7
Sodium	ppm	ASTM D5185(m)		4	4	2
Potassium	ppm	ASTM D5185(m)	>20	0	<1	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>4	0.4	0.5	0.5
Nitration	Abs/cm	ASTM D7624*	>20	8.3	8.1	7.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.4	20.5	21.0



## **OIL ANALYSIS REPORT**







Laboratory Sample No.

Lab Number : 02630888 Unique Number : 5772041 Test Package : MOB 2

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County : GFL0117278

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

Received **Tested** 

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

: 23 Apr 2024 Diagnosed : 23 Apr 2024 - Kevin Marson

: 23 Apr 2024 220 Carmek Blvd Rocky View County, AB **CA T1X 1X1** 

Contact: GFL Calgary calgarymaintenance@gflenv.com T:

F: (403)369-6163

Validity of results and interpretation are based on the sample and information as supplied.