

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **9971** Component

Diesel Engine

PETRO CANADA DURON XL SYN BLEND

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

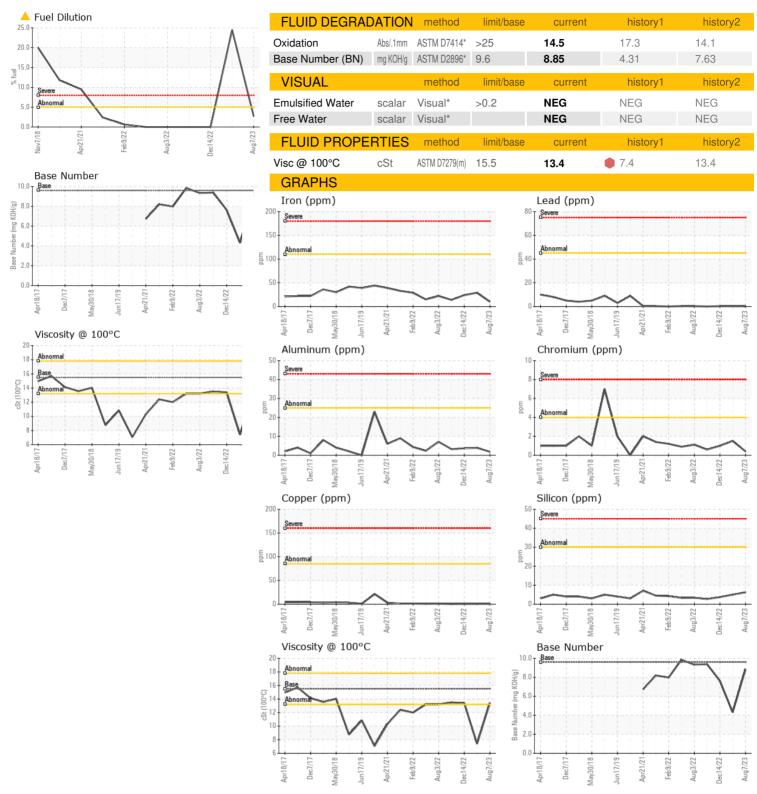
Fluid Condition

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

15W40 (LTR) 6cd017 May2018 Jund019 Acct 221 Feb.2022 Aug/2022 Occ. 2022 Aug/2022 Aug/202 Aug/2022 Aug/202 Au						
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0084314	GFL0063757	GFL006373
Sample Date		Client Info		07 Aug 2023	04 Feb 2023	14 Dec 2022
Machine Age	hrs	Client Info		11647	24674	24480
Oil Age	hrs	Client Info		600	24674	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				MARGINAL	SEVERE	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>110	10	29	24
Chromium	ppm	ASTM D5185(m)	>4	<1	2	1
Nickel	ppm	ASTM D5185(m)	>2	0	0	<1
Γitanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	2	4	4
_ead	ppm	ASTM D5185(m)	>45	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>85	<1	<1	<1
Γin	ppm	ASTM D5185(m)	>4	0	<1	0
Antimony	ppm	ASTM D5185(m)		0	0	0
/anadium	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	0
Molybdenum	ppm	ASTM D5185(m)	60	57	39	57
Manganese	ppm	ASTM D5185(m)	1	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	951	616	945
Calcium	ppm	ASTM D5185(m)	1070	1029	737	1089
Phosphorus	ppm	ASTM D5185(m)	1150	1048	718	1064
Zinc	ppm	ASTM D5185(m)	1270	1147	756	1148
Sulfur	ppm	ASTM D5185(m)	2060	2549	1724	2571
₋ithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	6	5	4
Sodium	ppm	ASTM D5185(m)		2	4	3
Potassium	ppm	ASTM D5185(m)	>20	2	4	5
-uel	%	ASTM D7593*	>5	<u> </u>	24.5	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.5	1.3	0.6
	A.L. /	4 OTM D 700 4*			10.0	0.0
Vitration	Abs/cm	ASTM D7624*	>20	6.2	10.3	6.8



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County : GFL0084314

: 5628943

: 02575883

Received Diagnosed

: 15 Aug 2023 : 16 Aug 2023

Diagnostician : Wes Davis Test Package : MOB 2 (Additional Tests: PercentFuel)

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

T: F: (403)369-6163

Rocky View County, AB

220 Carmek Blvd

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.