

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 4492 Component

Diesel Engine

PETRO CANADA DURON XL SYN BLEND 15W40 (38 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

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.

15W40 (38 LTR) April 15 Sep 2017 Jan 2018 Jan 2019 Juli 2012 May 2022 April 2023 April						
SAMPLE INFOF	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0091569	GFL0091608	GFL0077602
Sample Date		Client Info		16 Oct 2023	12 Sep 2023	26 Apr 2023
Machine Age	kms	Client Info		107286	27446	26828
Oil Age	kms	Client Info		0	600	79
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	5	26	3
Chromium	ppm	ASTM D5185(m)	>20	0	<1	0
Nickel	ppm	ASTM D5185(m)	>2	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>2	<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	<1	3	1
Lead	ppm	ASTM D5185(m)	>40	<1	2	<1
Copper	ppm	ASTM D5185(m)	>330	<1	4	<1
Tin	ppm	ASTM D5185(m)	>15	0	<1	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	3	2	4
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	58	57	56
Manganese	ppm	ASTM D5185(m)	1	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	958	938	929
Calcium	ppm	ASTM D5185(m)	1070	1065	1052	1068
Phosphorus	ppm	ASTM D5185(m)	1150	1022	1063	1066
Zinc	ppm	ASTM D5185(m)	1270	1190	1158	1129
Sulfur	ppm	ASTM D5185(m)	2060	2638	2532	2635
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	2	4	3
Sodium	ppm	ASTM D5185(m)		2	4	6
Potassium	ppm	ASTM D5185(m)	>20	<1	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	0.6	0.1
Nitration	Abs/cm	ASTM D7624*	>20	4.9	8.4	5.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.8	19.9	18.4



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CALA ISO 17025:2017 Accredited

Laboratory Sample No. Lab Number Unique Number Test Package : MOB 2

: 02591236

: GFL0091569 : 5668315

Received Diagnosed Diagnostician

: 24 Oct 2023 : 25 Oct 2023 : Wes Davis

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County 220 Carmek Blvd Rocky View County, AB

CA T1X 1X1 Contact: GFL Calgary

calgarymaintenance@gflenv.com

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.

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