

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

929125 Component Diesel Engine

Fluid

PETRO CANADA DURON XL SYN BLEND 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

Tests indicate that there is no fuel present in the oil. 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.

SAMPLE INFORM	<u>/IAT</u> ION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117278	GFL0077607	GFL0070714
Sample Date		Client Info		22 May 2024	24 May 2023	17 Feb 2023
Machine Age	kms	Client Info		17718	19989	22000
Oil Age	kms	Client Info		535	19989	600
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	SEVERE	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	0.0
		method	limit/base	ourropt	biotomut	biotory ()
	>	method	IIIIII/Dase	Current	TIIStOry I	TIIStory2
Iron	ppm	ASTM D5185(m)	>100	83	52	22
Chromium	ppm	ASTM D5185(m)	>20	3	3	1
NICKEI	ppm	ASTM D5185(m)	>4	<1	<1	0
Litanium	ppm	ASTM D5185(m)	0	0	0	0
Sliver	ppm	ASTM D5185(M)	>3	0	0	0
Aluminum	ppm		>20	12	4	3
Lead	ppm		>40	U	3	< 1
Copper	ppm		>330	1	<	<1
Antimony	ppm		>10	0	<1	< 1
Vanadium	ppili	AGTM D5100(III)		0	0	0
Pondlium	ppm	ASTM D5100(III)		0	0	0
Codmium	ppm	ASTM D5105(III)		0	0	0
	ррпп			U	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	1	2	2	2
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	60	47	53
Manganese	ppm	ASTM D5185(m)	1	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	971	749	854
Calcium	ppm	ASTM D5185(m)	10/0	1125	886	1028
Phosphorus	ppm	ASTM D5185(m)	1150	1020	870	996
	ppm	ASTM D5185(m)	1270	1211	944	1085
Sulfur	ppm	ASTM D5185(M)	2060	2510	2044	2462
Litnium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	7	4
Sodium	ppm	ASTM D5185(m)		6	6	7
Potassium	ppm	ASTM D5185(m)	>20	1	<1	<1
Fuel	%	ASTM D7593*	>5	0.0	1 4.6	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	2.2	1.8	0.7
Nitration	Abs/cm	ASTM D7624*	>20	10.6	13.1	8.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.4	26.3	22.4



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Laboratory CALA Sample No. : GFL0117278 Received : 28 May 2024 220 Carmek Blvd Lab Number : 02637858 Tested Rocky View County, AB : 29 May 2024 ISO 17025:2017 Accredited Unique Number : 5787020 Diagnosed : 29 May 2024 - Wes Davis CA T1X 1X1 Laboratory Test Package : MOB 2 (Additional Tests: PercentFuel, Visual) Contact: GFL Calgary calgarymaintenance@gflenv.com 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. T: F: (403)369-6163 Validity of results and interpretation are based on the sample and information as supplied.

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