

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
801074
Component
Diesel Engine
Fluid
PETRO CANADA I

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

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.

SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117265	GFL0117340	GFL0099612
Sample Date		Client Info		06 Jun 2024	09 May 2024	08 Feb 2024
Machine Age	hrs	Client Info		0	14933	14258
Oil Age	hrs	Client Info		0	680	802
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	MARGINAL	ATTENTION
CONTAMINA ⁻	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	4.1	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	0.0	0.0
WEAR META	IS	method	limit/base	current	history1	history2
Iron		ASTM D5185(m)	>80	15	31	67
Chromium	ppm	. ,		(1 <1	<1	2
Nickel	ppm	ASTM D5185(m) ASTM D5185(m)	>5	<1 <1	<1	1
Titanium	ppm	ASTM D5185(m) ASTM D5185(m)	>2	0	0	0
Silver		ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)		2	3	7
Lead	ppm	ASTM D5185(m)	>30	0	0	<1
	ppm	ASTM D5185(m)		3	1	2
Copper Tin	ppm	ASTM D5185(m)	>5	0	0	0
Antimony	ppm	ASTM D5185(m)	>5	0	0	0
Vanadium		ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES	ρρ	method	limit/base	current	history1	history2
	222		1	4	2	2
Boron Barium	ppm	ASTM D5185(m) ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	59	58	63
Manganese	ppm	ASTM D5185(m)		วย <1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	945	827	909
Calcium	ppm	ASTM D5185(m)	1070	1058	990	1039
Phosphorus	ppm	ASTM D5185(m)	1150	950	855	926
Zinc	ppm	ASTM D5185(m)		1162	1049	1140
Sulfur	ppm	ASTM D5185(m)		2397	2079	2377
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAL		method	limit/base	current	history1	history2
Silicon				3	5	15
Sodium	ppm	ASTM D5185(m) ASTM D5185(m)	>20	3 37	121	163
Potassium	ppm ppm	ASTM D5185(m) ASTM D5185(m)	>20	<1	2	3
INFRA-RED	Phili					
	0/	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.3	0.6	0.9
Nitration	Abs/cm	ASTM D7624*	>20	7.7	11.3	12.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.1	24.0	24.3



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Laboratory

Laboratory Sample No.

20

: GFL0117265 Lab Number : 02641073

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

Unique Number : 5798612 Test Package : MOB 2

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County Received : 11 Jun 2024

Tested : 11 Jun 2024

Diagnosed : 11 Jun 2024 - Wes Davis

Base Number

20.0 KOH/g)

0.0

Contact: GFL Calgary calgarymaintenance@gflenv.com

T: F: (403)369-6163

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.

Viscosity @ 100°C

220 Carmek Blvd

CA T1X 1X1

Rocky View County, AB