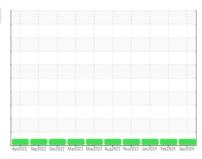


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
421051
Component
Diesel Engine

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	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117266	GFL0112408	GFL0099545
Sample Date		Client Info		18 Apr 2024	13 Feb 2024	02 Jan 2024
Machine Age	hrs	Client Info		5444	4933	4608
Oil Age	hrs	Client Info		0	308	500
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>80	8	6	6
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	4	4	3
Lead	ppm	ASTM D5185(m)	>30	0	0	0
Copper	ppm	ASTM D5185(m)	>150	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>5	0	0	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	4	3	2
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	58	58	57
Manganese	ppm	ASTM D5185(m)	1	0	0	0
Magnesium	ppm	ASTM D5185(m)	1010	946	937	927
Calcium	ppm	ASTM D5185(m)	1070	1045	1056	1066
Phosphorus	ppm	ASTM D5185(m)	1150	990	1035	1015
Zinc	ppm	ASTM D5185(m)	1270	1164	1163	1167
Sulfur	ppm	ASTM D5185(m)	2060	2515	2739	2720
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	NTS	method	limit/base	current	history1	history2
				2	0	0
Silicon	ppm	ASTM D5185(m)	>20		3	2
	ppm	ASTM D5185(m) ASTM D5185(m)	>20	1	1	1
Silicon			>20			
Silicon Sodium	ppm	ASTM D5185(m)		1	1	1
Silicon Sodium Potassium	ppm	ASTM D5185(m) ASTM D5185(m)	>20	1 3 current 0.2	1 4	1 2
Silicon Sodium Potassium INFRA-RED	ppm	ASTM D5185(m) ASTM D5185(m) method ASTM D7844*	>20 limit/base >3	1 3 current	1 4 history1	1 2 history2



OIL ANALYSIS REPORT







Laboratory Sample No.

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

Lab Number : 02630894 Unique Number : 5772047

: GFL0117266

Test Package : MOB 2

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

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

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

Received

Tested

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

: 23 Apr 2024

Contact: GFL Calgary calgarymaintenance@gflenv.com T:

F: (403)369-6163

220 Carmek Blvd

CA T1X 1X1

Rocky View County, AB

Submitted By: GFL Calgary

Report Id: GFL550 [WCAMIS] 02630894 (Generated: 04/23/2024 16:23:59) Rev: 1