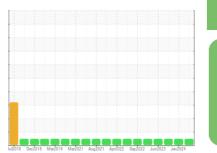


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id
801105
Component
Diesel Engine
Fluid

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		GFL0117352	GFL0099615	GFL0084347
Sample Date		Client Info		06 May 2024	31 Jan 2024	16 Aug 2023
Machine Age	kms	Client Info		0	5823	0
Oil Age	kms	Client Info		45056	550	14015
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	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	37	27	15
Chromium	ppm	ASTM D5185(m)	>5	1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	4	3	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	2	2	2
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	59	56	58
Manganese	ppm	ASTM D5185(m)	1	<1	0	<1
Magnesium	ppm	ASTM D5185(m)	1010	924	902	955
Calcium	ppm	ASTM D5185(m)	1070	1039	1037	1028
Phosphorus	ppm	ASTM D5185(m)	1150	963	946	1036
Zinc	ppm	ASTM D5185(m)	1270	1162	1133	1169
Sulfur	ppm	ASTM D5185(m)	2060	2205	2436	2513
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	15	19	6
Sodium	ppm	ASTM D5185(m)		8	6	5
Potassium	ppm	ASTM D5185(m)	>20	2	2	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	8.0	0.5	0.2
Nitration	Abs/cm	ASTM D7624*	>20	9.7	9.4	6.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.0	21.3	20.8



OIL ANALYSIS REPORT







Laboratory

Laboratory

Sample No. Lab Number : 02635988 Unique Number : 5785150 Test Package : MOB 2

: GFL0117352

12

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

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

: 16 May 2024 : 17 May 2024 Diagnosed

: 17 May 2024 - Wes Davis

0.0

220 Carmek Blvd Rocky View County, AB **CA T1X 1X1** 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.