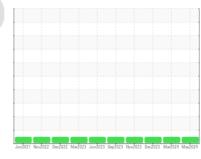


OIL ANALYSIS REPORT

{UNASSIGNED} 322002-880

Gasoline Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)



Sample Rating Trend





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Services completed)

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

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.

āAL)		Jun2021 Nov2	022 Dec2022 Mar2023 Jun20	023 SepŽ023 NovŽ023 DecŽ023 Mari	024 May2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0116248	GFL0101653	GFL0094872
Sample Date		Client Info		09 May 2024	13 Mar 2024	28 Dec 2023
Machine Age	mls	Client Info		252686	251056	246852
Oil Age	mls	Client Info		5830	4200	7898
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
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 D5185m	>150	31	25	38
Chromium	ppm	ASTM D5185m	>20	1	1	3
Nickel	ppm	ASTM D5185m	>5	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	4	4	6
Lead	ppm	ASTM D5185m	>50	<1	<1	0
Copper	ppm	ASTM D5185m	>155	1	<1	1
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	31	35	22
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	65	69	57
Manganese	ppm	ASTM D5185m	0	1	<1	2
Magnesium	ppm	ASTM D5185m	1010	426	458	448
Calcium	ppm	ASTM D5185m	1070	806	830	812
Phosphorus	ppm	ASTM D5185m	1150	518	600	507
Zinc	ppm	ASTM D5185m	1270	559	594	585
Sulfur	ppm	ASTM D5185m	2060	2538	2640	2095
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	11	11	15
Sodium	ppm	ASTM D5185m	>400	5	4	5
Potassium	ppm	ASTM D5185m	>20	3	<1	<1
Fuel	%	ASTM D3524	>4.0	<1.0	<1.0	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	13.2	11.4	14.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2	20.7	25.7
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.5	15.5	23.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	3.9	3.5	3.0
	9					0.0



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06178159 Unique Number : 11029485

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0116248

Received **Tested** Diagnosed

: 13 May 2024 : 15 May 2024

: 15 May 2024 - Sean Felton

GFL Environmental - 625 - Harrison Hauling 2480 S Clare Ave Clare, MI US 48617

Contact: Glenda Standen

gstanden@gflenv.com

Test Package : FLEET (Additional Tests: FuelDilution) To discuss this sample report, contact Customer Service at 1-800-237-1369

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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