

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 811001

Fluid

Component **Diesel Engine**

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





DIAGNOSIS	SAMPLE INFOR	MATION	method	limi <u>t/base</u>	current	historv1	historv2
Recommendation	Sample Number		Client Info		GEI 0103912	GEL 0097373	GEL 009738
Resample at the next service interval to monitor	Sample Date		Client Info		02 Feb 2024	09 Nov 2023	31 Oct 2022
	Machine Age	bre	Client Info		8310	59591	50501
vear		hre	Client Info		474	49630	9961
di componenti weai rates are normai.	Oil Changed	1115	Client Info		4/4 N/A	43030 N/A	5501 N/A
Contamination	Sampla Statua		Client Inio				
here is no indication of any contamination in the il.	Sample Status				NORMAL	NORIVIAL	NORMAL
uid Condition	CONTAMINAT	ION	method	limit/base	current	history1	history2
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the bil is suitable for further service.	Fuel		WC Method	>3.0	<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 D5185m	>120	10	17	15
	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>5	2	<1	<1
	Titanium	mag	ASTM D5185m	>2	0	0	0
	Silver	mag	ASTM D5185m	>2	<1	0	0
	Aluminum	nom	ASTM D5185m	>20	3	1	1
	Lead	nom	ASTM D5185m	>40	1	0	0
	Copper	ppm	ASTM D5185m	<330 <330	3	<1	<1
	Tin	ppm	AGTM D5105III	>15	1	<1	<1
	Vanadium	ppin	ACTM D5105m	>10	-1	< 1	< 1
	Vanadium	ррп			<1	0	0
	Cadmium	ppm	ASTM DS185m		U	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	3	6	7
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	58	55	55
	Manganese	ppm	ASTM D5185m	0	1	<1	<1
	Magnesium	ppm	ASTM D5185m	1010	882	932	873
	Calcium	ppm	ASTM D5185m	1070	1039	1035	1006
	Phosphorus	ppm	ASTM D5185m	1150	966	974	942
	Zinc	ppm	ASTM D5185m	1270	1219	1231	1166
	Sulfur	ppm	ASTM D5185m	2060	2838	2636	2551
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	5	5	5
	Sodium	ppm	ASTM D5185m		5	4	3
	Potassium	ppm	ASTM D5185m	>20	7	<1	0
	INFRA-RED		method	limi <u>t/base</u>	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.6	0.8	0.8
	Nitration	Abs/cm	*ASTM D7624	>20	8.3	8.9	8.5
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	20.6	20.3
	FI LIID DEGRAI		method	limit/base	current	history1	history2
				05			15.0
	Oxidation	ADS/.1mm	ASTM D/414	>25	15.4	16.1	15.8
	Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.0	6.6	6.9



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VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
		المحملة محمد	line it de servi	t	In the transmission	le le terme O
FLUID PROPE	RHES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	13.6	13.5
GRAPHS						





Test Package : FLEET Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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