

OIL ANALYSIS REPORT

Sample Rating Trend



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Machine Id 200200 Component Diesel Engine

PETRO CANADA DURON SHP 15W40 (26 LTR)

DIAGNOSIS	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0092241	GFL0056398	GFL0064889
he oil change at the time of sampling has been	Sample Date		Client Info		15 Nov 2023	31 May 2023	05 Apr 2023
oted. We recommend an early resample to	Machine Age	hrs	Client Info		18428	17770	17554
nonitor this condition.	Oil Age	hrs	Client Info		658	600	1549
Vear	Oil Changed		Client Info		Changed	Changed	Changed
Il component wear rates are normal.	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Contamination			mothod	limit/base	ourropt	biotoput	history
here is a moderate amount of fuel present in the					current	Tilstory	
I. Tests confirm the presence of fuel in the oil.	Water		WC Method	>0.2	NEG	NEG	NEG
Fluid Condition	Glycol		WC Method		NEG	NEG	NEG
of contaminants.	WEAR METALS		method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185(m)	>100	6	5	15
	Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
	Nickel	ppm	ASTM D5185(m)	>50	0	0	<1
	Titanium	ppm	ASTM D5185(m)	>2	0	<1	<1
	Silver	ppm	ASTM D5185(m)	>2	<1	0	0
	Aluminum	ppm	ASTM D5185(m)	>50	2	3	4
	Lead	ppm	ASTM D5185(m)	>40	2	1	2
	Copper	ppm	ASTM D5185(m)	>330	<1	<1	4
	Tin	ppm	ASTM D5185(m)	>15	0	0	<1
	Antimony	ppm	ASTM D5185(m)		0	0	<1
	Vanadium	ppm	ASTM D5185(m)		0	0	0
	Bervllium	maa	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)	0	2	3	2
	Barium	ppm	ASTM D5185(m)	0	0	0	0
	Molvbdenum	maa	ASTM D5185(m)	60	54	55	55
	Manganese	maa	ASTM D5185(m)	0	0	<1	<1
	Magnesium	nom	ASTM D5185(m)	1010	891	899	897
	Calcium	nom	ASTM D5185(m)	1070	993	1084	1042
	Phosphorus	nom	ASTM D5185(m)	1150	948	1048	1013
	Zinc	nnm	ASTM D5185(m)	1270	1115	1140	1136
	Sulfur	nnm	ΔSTM D5185(m)	2060	2377	2564	2403
	Lithium	ppm	ASTM D5185(m)	2000	<1	<1	<1
		3		limit/base	current	nistory1	nistory2
	Silicon	рыл		>20	3	4	D d
	Soaium	ppm	ASTM D5185(m)	00	2	2	4
	Potassium	ppm	ASTM D5185(m)	>20	0	<1	2
	Fuel	%	ASTM D7593*	>5	▲ 6.3	6.3	7.9
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	ASTM D7844*	>3	0	0	0
	Nitration	Abs/cm	ASTM D7624*	>20	5.6	5.1	7.5
	Sulfation	Abs/.1mm	ASTM D7415*	>30	17.4	17.6	18.6



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 Laboratory
 Test Package
 : MOB 1 (Additional Tests: PercentFuel)

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

 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.

Diagnostician : Wes Davis

: 5682436

Moose Creek, ON CA KOC 1W0 Contact: Charles Bergeron cbergeron@gflenv.com T: (613)538-4853 F:

Laboratory

Sample No.

Lab Number

Unique Number