

OIL ANALYSIS REPORT

Sample Rating Trend





Area (62A0X16) TALLASSEE 925026-152580

Diesel Engine

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

DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number	_	Client Info		GFL0080694	GFL0092435	GFL0079704
Resample at the next service interval to monitor.	Sample Date		Client Info		08 Apr 2024	03 Apr 2024	30 Oct 2023
Wear	Machine Age	hrs	Client Info		19337	19307	461538
All component wear rates are normal.	Oil Age	hrs	Client Info		19337	19307	0
	Oil Changed	1110	Client Info		N/A	Not Changd	0 N/A
Contamination	Sample Status				NORMAL	NORMAL	SEVERE
There is no indication of any contamination in the oil.							
Fluid Condition	CONTAMINAT	ION	method	limit/base	current	history1	history2
The BN result indicates that there is suitable	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
alkalinity remaining in the oil. The condition of the	Water		WC Method	>0.2	NEG	NEG	NEG
oil is suitable for further service.	Glycol		WC Method		NEG	NEG	▲ 0.10
	WEAR METAL	.S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>120	26	22	72
	Chromium	ppm	ASTM D5185m	>20	<1	0	2
	Nickel	ppm	ASTM D5185m	>5	2	1	2
	Titanium	ppm	ASTM D5185m	>2	<1	0	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>20	3	3	32
	Lead	ppm	ASTM D5185m		<1	0	5
	Copper	ppm	ASTM D5185m	>330	5	4	3
	Tin	ppm	ASTM D5185m		<1	0	2
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	Cadmium	ppm	ASTM D5185m		<1	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	16	16	12
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	60	62	64
	Manganese	ppm	ASTM D5185m	0	<1	0	1
	Magnesium	ppm	ASTM D5185m	1010	905	1024	878
	Calcium	ppm	ASTM D5185m	1070	1058	1149	1083
	Phosphorus	ppm	ASTM D5185m	1150	1042	1120	924
	Zinc	ppm	ASTM D5185m	1270	1222	1350	1218
	Sulfur	ppm	ASTM D5185m	2060	3737	4281	2764
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	9	8	A 31
	Sodium	ppm	ASTM D5185m		67	57	▲ 356
	Potassium	ppm	ASTM D5185m	>20	24	11	▲ 50
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.6	0.6	1.4
	Nitration		*ASTM D7624		6.8	6.7	12.8
	Sulfation		*ASTM D7415		17.6	17.3	26.7
	FLUID DEGRA	DATION	method	limit/base		history1	history2
	Oxidation		*ASTM D7414		14.1	14.1	21.2
	Base Number (BN)	ing KOH/g	ASTIM D2896	9.8	10.6	10.6	5.8



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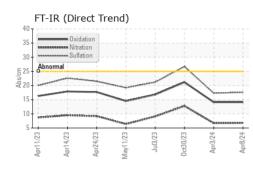
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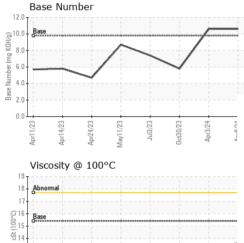
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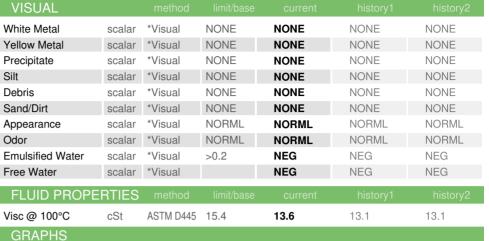


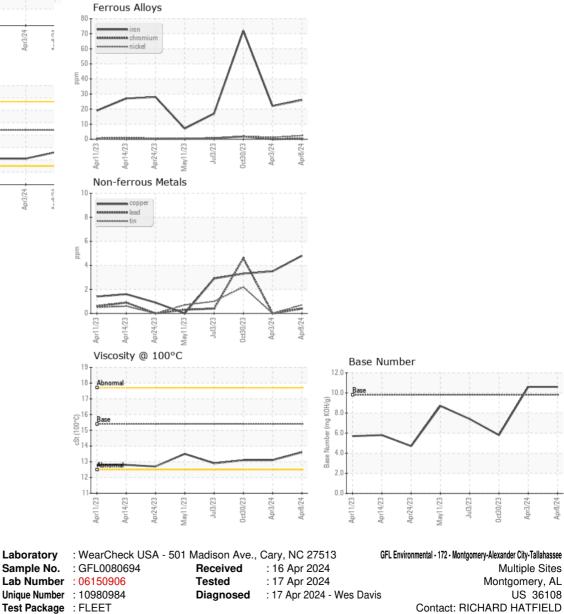


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							20	
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Apr3/24

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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)

Report Id: GFL172 [WUSCAR] 06150906 (Generated: 04/17/2024 16:50:43) Rev: 1

Certificate 12367

Laboratory

Sample No.

Submitted By: Lisa Reeves Page 2 of 2

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