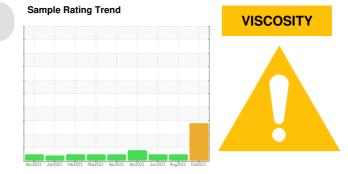


PROBLEM SUMMARY

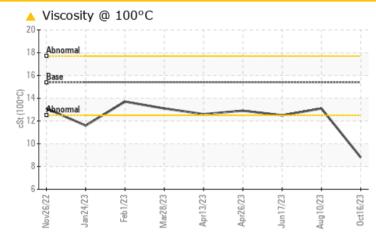
PETRO CANADA DURON SHP 15W40 (11 GAL)

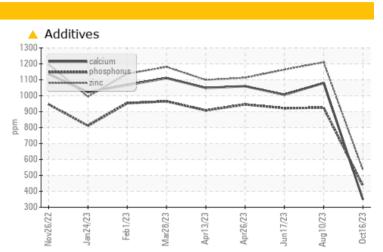


COMPONENT CONDITION SUMMARY

Fluid

Machine Id 913023 Component Diesel Engine





RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	NORMAL	NORMAL
Molybdenum	ppm	ASTM D5185m	60	<u> </u>	60	59
Magnesium	ppm	ASTM D5185m	1010	A 315	921	876
Calcium	ppm	ASTM D5185m	1070	<u> </u>	1080	1006
Phosphorus	ppm	ASTM D5185m	1150	<u> </u>	925	922
Zinc	ppm	ASTM D5185m	1270	6 534	1210	1164
Sulfur	ppm	ASTM D5185m	2060	<u> </u>	3120	3123
Visc @ 100°C	cSt	ASTM D445	15.4	<mark>/</mark> 8.8	13.1	12.5

Customer Id: GFL095 Sample No.: GFL0083656 Lab Number: 05986017 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Fluid			?	Oil and filter change at the time of sampling has been noted.			
Change Filter			?	Oil and filter change at the time of sampling has been noted.			

HISTORICAL DIAGNOSIS



10 Aug 2023 Diag: Wes Davis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



view report

17 Jun 2023 Diag: Wes Davis



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

26 Apr 2023 Diag: Don Baldridge



No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.







OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



913023 Component

Machine Id

Diesel Engine Fluid

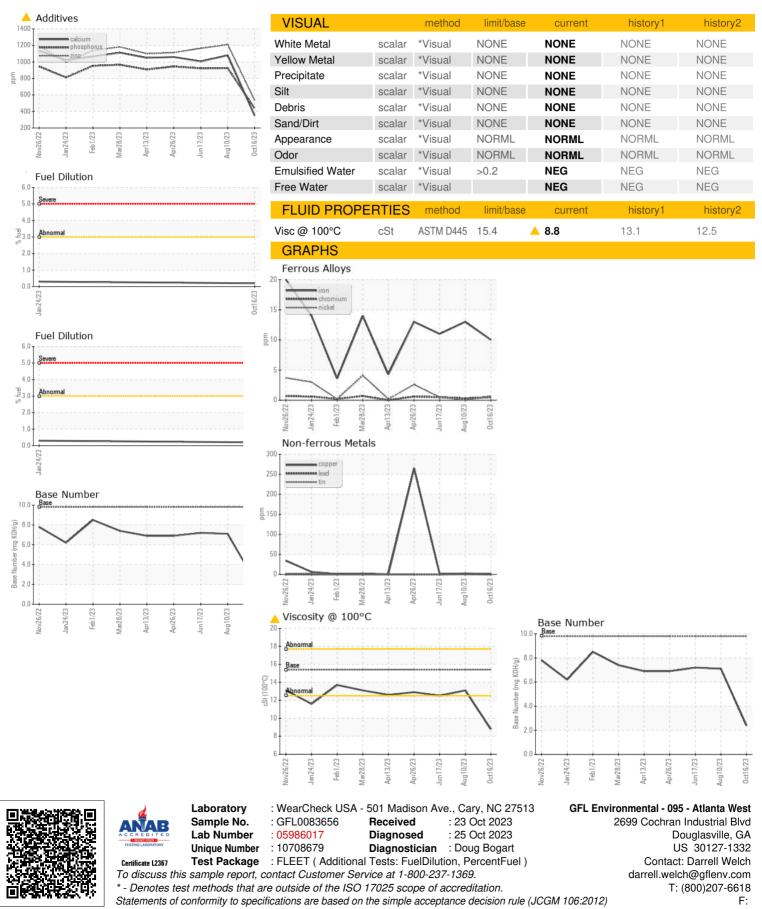
PETRO CANADA DURON SHP 15W40 (11 GAL)

DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0083656	GFL0074642	GFL008363
l and filter change at the time of sampling has	Sample Date		Client Info		16 Oct 2023	10 Aug 2023	17 Jun 2023
en noted. Resample at the next service interval	Machine Age	hrs	Client Info		4187	3615	3010
monitor.	Oil Age	hrs	Client Info		572	605	576
ear	Oil Changed		Client Info		Changed	Changed	Changed
component wear rates are normal.	Sample Status				ATTENTION	NORMAL	NORMAL
ontamination lel content negligible. There is no indication of	CONTAMINAT	ION	method	limit/base	current	history1	history2
y contamination in the oil.	Glycol		WC Method		NEG	NEG	NEG
Fluid Condition le oil viscosity is lower than normal. This plus the	WEAR METAL	.S	method	limit/base	current	history1	history2
ditive levels indicates the addition of a different	Iron	ppm	ASTM D5185m	>120	10	13	11
and, or type of oil. The BN level is low.	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
	Nickel	ppm	ASTM D5185m		<1	0	<1
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m		0	0	<1
	Aluminum	ppm	ASTM D5185m	>20	1	0	<1
	Lead	ppm	ASTM D5185m		0	<1	0
	Copper	ppm	ASTM D5185m		1	2	1
	Tin	ppm	ASTM D5185m		2	1	1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	Cadmium	ppm	ASTM D5185m		<1	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		0	3	5
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	60	▲ 19	60	59
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium		ASTM D5185m	1010	▲ 315	921	876
	Calcium	ppm		1070	▲ 349	1080	1006
	Phosphorus	ppm	ASTM D5185m	1150	▲ 349 ▲ 435	925	922
	Zinc	ppm	ASTM D5185m	1270	▲ 435 ▲ 534	925 1210	922 1164
	Sulfur	ppm ppm	ASTM D5185m	2060	▲ 534 ▲ 1087	3120	3123
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	2	5	4
	Sodium	ppm	ASTM D5185m		4	5	3
	Potassium	ppm	ASTM D5185m	>20	3	2	<1
	Fuel	%	ASTM D3524	>3.0	0.2	<1.0	<1.0
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.5	0.5	0.5
	Nitration	Abs/cm	*ASTM D7624		4.7	7.7	7.3
	Sulfation	Abs/.1mm	*ASTM D7624		14.3	18.6	18.5
	FLUID DEGRAI		method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414		7.6	14.4	13.6





OIL ANALYSIS REPORT



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