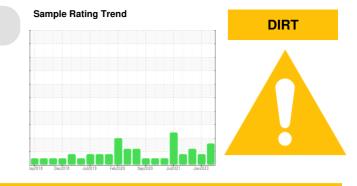
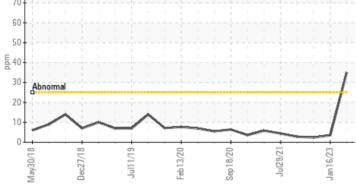


Machine Id **10883** Component **Diesel Engine**

PROBLEM SUMMARY



PETRO CANADA DURON SHP 15W40 (5 GAL) COMPONENT CONDITION SUMMARY Silicon (ppm)



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	MARGINAL	ABNORMAL		
Silicon	ppm	ASTM D5185m	>25	A 35	4	2		

Customer Id: GFL005 Sample No.: GFL0058848 Lab Number: 05939468 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</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



16 Jan 2023 Diag: Wes Davis

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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.



11 Jul 2022 Diag: Don Baldridge



We advise that you check the fuel injection system. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

03 Mar 2022 Diag: Wes Davis



We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.



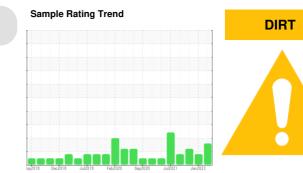
view report





OIL ANALYSIS REPORT

SAMPLE INFORMATION method



current

history1

limit/base

history2

Machine Id 10883

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (5 GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal.

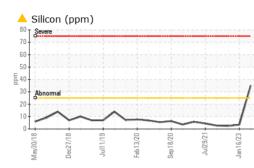
Fluid Condition

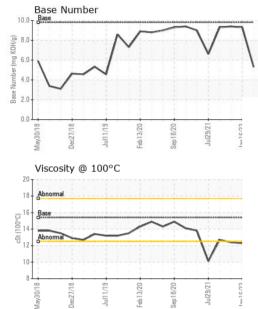
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Oxidation	AUS/.111111					
	Abs/.1mm	*ASTM D7414	>25	27.6	13.7	15.3
FLUID DEGRAD		method	limit/base	current	history1	history2
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.4	17.4	18.7
Nitration	Abs/cm	*ASTM D7624	>20	14.5	6.4	7.3
Soot %	%	*ASTM D7844	>6	1.2	0.2	0.2
INFRA-RED		method	limit/base	current	history1	history2
Potassium	ppm	ASTM D5185m	>20	10	1	0
Sodium	ppm	ASTM D5185m		40	4	1
Silicon	ppm	ASTM D5185m	>25	A 35	4	2
CONTAMINAN	IS	method	limit/base	current	history1	history2
						-
Sulfur	ppm	ASTM D5185m	2060	2489	3403	3444
Zinc	ppm	ASTM D5185m	1270	991	1153	1111
Phosphorus	ppm	ASTM D5185m	1150	774	936	929
Calcium	ppm	ASTM D5185m	1070	1044	990	1055
Magnesium	ppm	ASTM D5185m	1010	3 691	881	863
Manganese	ppm ppm	ASTM D5185m	0	3	<1	54 <1
Molybdenum		ASTM D5185m	60	53	55	54
Barium	ppm ppm	ASTM D5185m	0	0	0	0
Boron	nnm	ASTM D5185m	0	6	6	10
ADDITIVES		method	limit/base	current	history1	history2
Cadmium	ppm	ASTM D5185m		0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Antimony	ppm	ASTM D5185m				
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	5	1	<1
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Aluminum	ppm	ASTM D5185m	>20	6	2	<1
Silver	ppm	ASTM D5185m	>2	0	0	3
Titanium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Chromium	ppm	ASTM D5185m	>20	2	<1	<1
Iron	ppm	ASTM D5185m	>90	54	8	3
WEAR METALS	S	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	NEG
Fuel		WC Method	>3.0	<1.0	▲ 3.0	▲ 7.1
		method	limit/base	current	history1	history2
		mathad	limit/base			
Sample Status				ABNORMAL	MARGINAL	ABNORMAL
Oil Changed		Client Info		Changed	N/A	Not Changd
Oil Age	hrs	Client Info		600	0	342
Machine Age	hrs	Client Info		13293	0	0
Sample Date		Client Info		24 Aug 2023	16 Jan 2023	11 Jul 2022
		Ol's set lasts		04 4	10 1 0000	44 101 0000

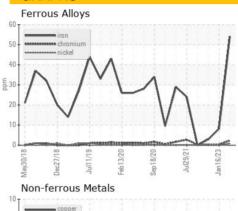


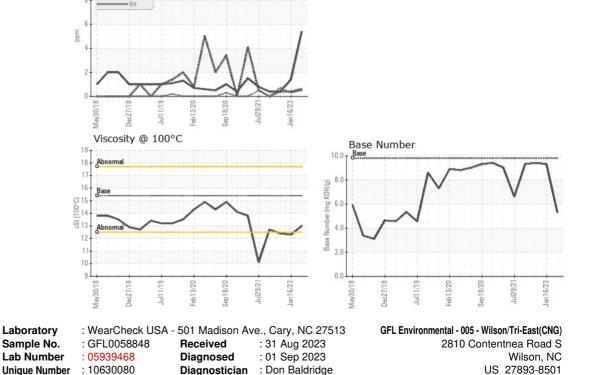
OIL ANALYSIS REPORT





VISUAL		method	limit/base	current	history1	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
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.0	12.3	12.4
GRAPHS						







 Certificate L2367
 Test Package
 : FLEET

 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)

Submitted By: Region 1 and 2 - Tim Horton

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F: