

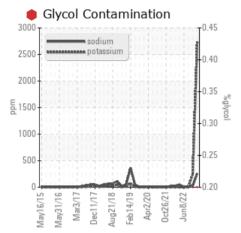
PROBLEM SUMMARY

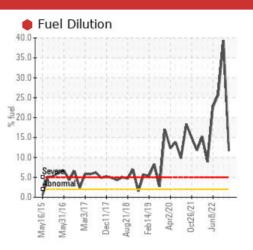
10574 INTERNATIONAL MAXXFORCE

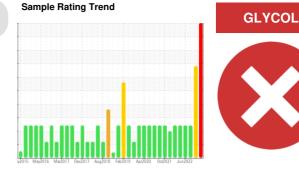
Diesel Engine

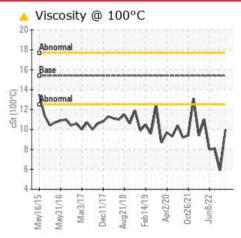
PETRO CANADA DURON SHP 15W40 (28 QTS)

COMPONENT CONDITION SUMMARY









RECOMMENDATION

We advise that you check for the source of the coolant leak. Check for low coolant level. We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	SEVERE	SEVERE		
Sodium	ppm	ASTM D5185m		<u> </u>	<u> </u>	9		
Potassium	ppm	ASTM D5185m	>20	A 2710	2 51	2		
Fuel	%	ASTM D3524	>2.0	🛑 11.7	9.3	25.7		
Glycol	%	*ASTM D2982		0.20	NEG	NEG		
Visc @ 100°C	cSt	ASTM D445	15.4	10.0	▲ 5.9	▲ 8.1		

Customer Id: GFL001 Sample No.: GFL0089283 Lab Number: 05934773 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 <u>jhester@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.
Resample			?	We recommend an early resample to monitor this condition.
Check Fuel/injector System			?	We advise that you check the fuel injection system.
Check Glycol Access			?	We advise that you check for the source of the coolant leak.

HISTORICAL DIAGNOSIS

08 May 2023 Diag: Jonathan Hester



We advise that you check the fuel injection system. We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The lead level is abnormal. All other component wear rates are normal. Sodium and/or potassium levels are high. 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. The BN level is low. The oil is no longer serviceable due to the presence of contaminants.



view report



28 Jun 2022 Diag: Don Baldridge

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. 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 oil is no longer serviceable due to the presence of contaminants.

FUEL

08 Jun 2022 Diag: Don Baldridge

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. 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 oil is no longer serviceable due to the presence of contaminants.





10574 INTERNATIONAL MAXXFORCE

Diesel Engine

PETRO CANADA DURON SHP 15W40 (28 QTS)

DIAGNOSIS

Recommendation

We advise that you check for the source of the coolant leak. Check for low coolant level. We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

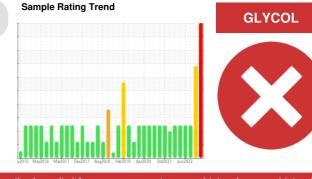
All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. There is a high concentration of glycol present in the oil. There is a high amount of fuel present in the oil.

Fluid Condition

Fuel is present in the oil and is lowering the viscosity. 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.



SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0089283	GFL0056725	GFL0052462
Sample Date		Client Info		24 Aug 2023	08 May 2023	28 Jun 2022
Machine Age	hrs	Client Info		24997	24523	22958
Oil Age	hrs	Client Info		474	1565	554
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				SEVERE	SEVERE	SEVERE
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>127	36	80	43
Chromium	ppm	ASTM D5185m	>3	2	4	2
Nickel	ppm	ASTM D5185m	>30	<1	2	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>59	13	8	9
Lead	ppm	ASTM D5185m	>29	2	4	2
Copper	ppm	ASTM D5185m	>135	6	6	2
Tin	ppm	ASTM D5185m	>2	<1	3	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	6	4	6
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	64	37	47
Manganese	ppm	ASTM D5185m	0	<1	1	<1
Magnesium	ppm	ASTM D5185m	1010	901	548	625
Calcium	ppm	ASTM D5185m	1070	1031	626	892
Phosphorus	ppm	ASTM D5185m	1150	958	626	725
Zinc	ppm	ASTM D5185m	1270	1198	730	918
Sulfur	ppm	ASTM D5185m	2060	3533	1961	2164
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>18	8	6	5
Sodium	ppm	ASTM D5185m		<u> </u>	<u> </u>	9
Potassium	ppm	ASTM D5185m	>20	<u> </u>	a 251	2
Fuel	%	ASTM D3524	>2.0	e 11.7	939.3	25.7
Glycol	%	*ASTM D2982		0.20	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.5	0.4
Nitration	Abs/cm	*ASTM D7624	>20	12.4	14.8	11.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2	31.1	24.2
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.4	45.3	26.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	9.6	▲ 0.9	4.5

Report Id: GFL001 [WUSCAR] 05934773 (Generated: 08/29/2023 18:23:19) Rev: 1



OIL ANALYSIS REPORT

