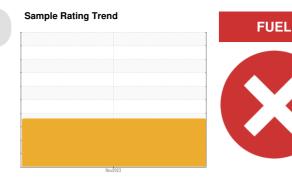


PROBLEM SUMMARY

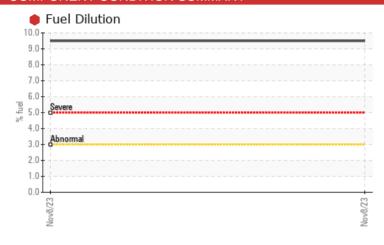


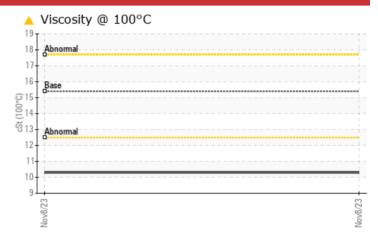
Diesel Engine

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



COMPONENT CONDITION SUMMARY





RECOMMENDATION

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				
Fuel	%	ASTM D3524	>3.0	9.5				
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	△ 0.0				
Visc @ 100°C	cSt	ASTM D445	15.4	10.3				

Customer Id: GFL975 **Sample No.:** GFL0095696 Lab Number: 06016099 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 ihester@wearcheckusa.com

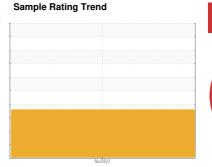
To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

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.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT







Machine Id 429125 Component **Diesel Engine**

PETRO CANADA DURO

DIAGNOSIS

Recommendation

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

There is a high amount of fuel present in the oil.

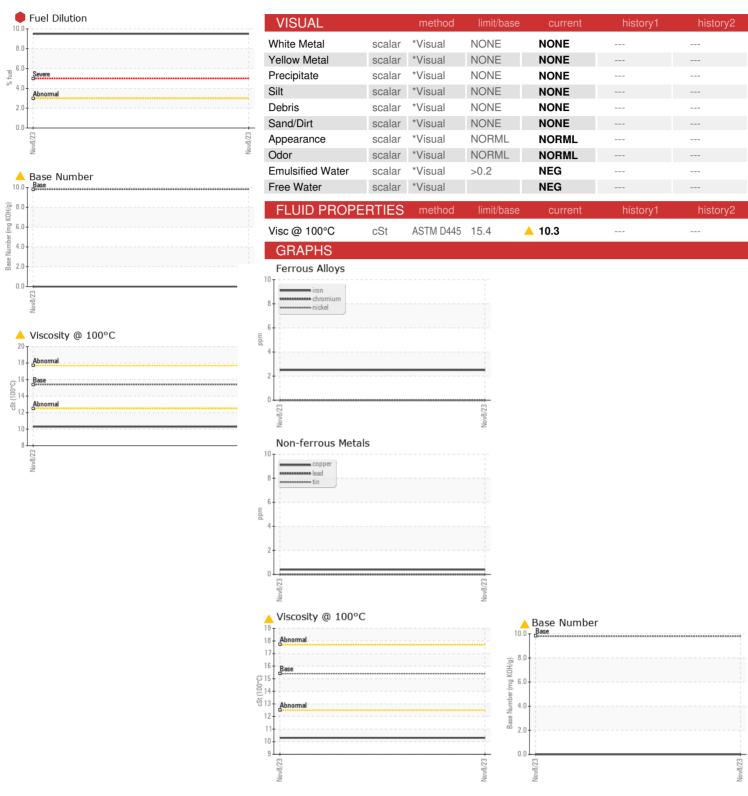
Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The BN level is low.

N OUD 451440 /	041)						
N SHP 15W40 (Nov2023			
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0095696			
Sample Date		Client Info		08 Nov 2023			
lachine Age	hrs	Client Info		14114			
Dil Age	hrs	Client Info		0			
Oil Changed		Client Info		Changed			
Sample Status				SEVERE			
CONTAMINAT	ION	method	limit/base	current	history1	history2	
Vater		WC Method	>0.2	NEG			
Slycol		WC Method		NEG			
WEAR METAL	S	method	limit/base	current	history1	history2	
on	ppm	ASTM D5185m	>120	2			
hromium	ppm	ASTM D5185m	>20	0			
lickel	ppm	ASTM D5185m	>5	0			
itanium	ppm	ASTM D5185m	>2	0			
ilver	ppm	ASTM D5185m	>2	0			
Juminum	ppm	ASTM D5185m	>20	<1			
.ead	ppm	ASTM D5185m	>40	0			
Copper	ppm	ASTM D5185m	>330	<1			
in	ppm	ASTM D5185m	>15	0			
anadium	ppm	ASTM D5185m		<1			
admium	ppm	ASTM D5185m		0			
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	0			
Barium	ppm	ASTM D5185m	0	0			
Nolybdenum	ppm	ASTM D5185m	60	3			
langanese	ppm	ASTM D5185m	0	0			
lagnesium	ppm	ASTM D5185m	1010	0			
alcium	ppm	ASTM D5185m	1070	199			
Phosphorus	ppm	ASTM D5185m	1150	120			
linc	ppm	ASTM D5185m	1270	125			
Sulfur	ppm	ASTM D5185m	2060	350			
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	3			
Sodium	ppm	ASTM D5185m		<1			
otassium	ppm	ASTM D5185m	>20	2			
uel	%	ASTM D3524	>3.0	9.5			
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>4	0.1			
litration	Abs/cm	*ASTM D7624	>20	5.8			
Sulfation	Abs/.1mm	*ASTM D7415	>30	14.1			
FLUID DEGRA	NOITAC	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	8.7			
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	<u> </u>			
, ,	0						



OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No. Lab Number

: 06016099 Unique Number : 10755243

: GFL0095696 Received Diagnosed

: 28 Nov 2023 Diagnostician : Jonathan Hester **Test Package**: FLEET (Additional Tests: FuelDilution, PercentFuel)

: 24 Nov 2023

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

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)

GFL Environmental - 975 - Houston East Hwy 3 - East

10200 Old Galveston Rd 974 Houston, TX US 77034 Contact: Jorge Tamez

jtamez@gflenv.com T: (832)405-4630

F: