

# **PROBLEM SUMMARY**

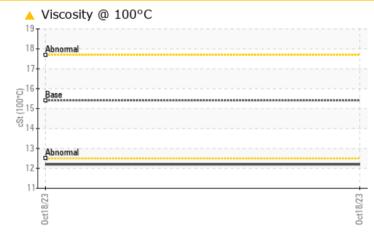
PETRO CANADA DURON SHP 15W40 (--- GAL)

Sample Rating Trend VISCOSITY

### COMPONENT CONDITION SUMMARY

Fluid

Machine Id 229125 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			
Visc @ 100°C	cSt	ASTM D445	15.4	<u> </u>			

Customer Id: GFL421 Sample No.: GFL0095279 Lab Number: 05994056 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 jhester@wearcheckusa.com

*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



# **OIL ANALYSIS REPORT**

Sample Rating Trend





Component **Diesel Engine** Fluid

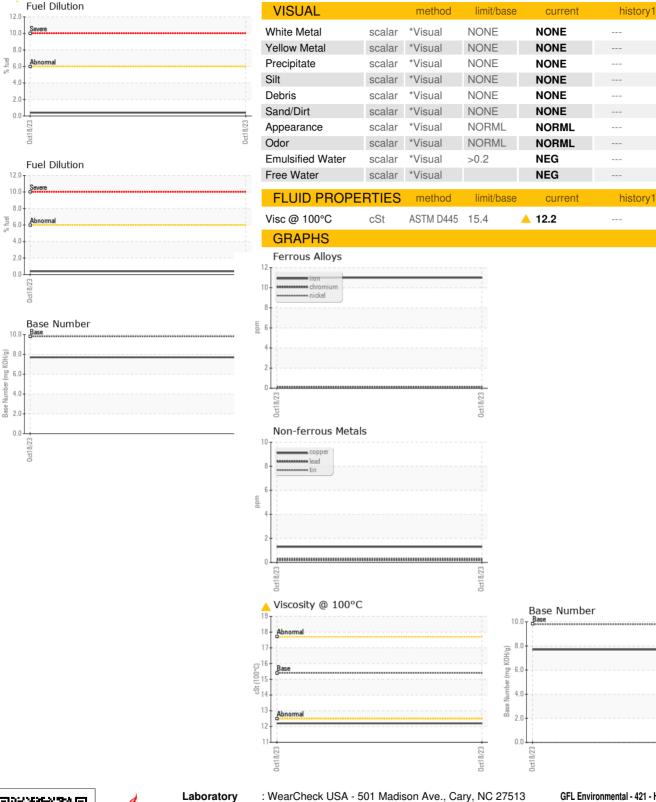
Machine Id

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

DIACNOSIS			method	limit/base	ourroat	biotomat	history
DIAGNOSIS	SAMPLE INFOR			inni/base		history1	history2
A Recommendation	Sample Number		Client Info		GFL0095279		
Oil and filter change at the time of sampling has	Sample Date		Client Info		18 Oct 2023		
been noted. Resample at the next service interval to monitor.	Machine Age	hrs	Client Info		6566		
	Oil Age	hrs	Client Info		0		
Wear All component wear rates are normal.	Oil Changed		Client Info		Changed		
	Sample Status				ATTENTION		
Contamination Fuel content negligible. There is no indication of	CONTAMINAT	ION	method	limit/base		history1	history2
any contamination in the oil.	Glycol		WC Method		NEG		
Fluid Condition The oil viscosity is lower than normal. The BN result	WEAR METAL	.S	method	limit/base		history1	history2
indicates that there is suitable alkalinity remaining in	Iron	ppm	ASTM D5185m	>100	11		
the oil. Confirm oil type.	Chromium	ppm	ASTM D5185m	>20	<1		
	Nickel	ppm	ASTM D5185m	>2	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		2		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		1		
	Tin	ppm	ASTM D5185m	>15	<1		
	Vanadium	ppm	ASTM D5185m		0		
	Cadmium	ppm	ASTM D5185m		0		
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	20		
	Barium	ppm	ASTM D5185m	0	0		
	Molybdenum	ppm	ASTM D5185m		54		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm		1010	400		
	Calcium	ppm	ASTM D5185m		1769		
	Phosphorus	ppm		1150	1046		
	Zinc	ppm	ASTM D5185m		1153		
	Sulfur	ppm	ASTM D5185m	2060	3192		
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	4		
	Sodium	ppm	ASTM D5185m		3		
	Potassium	ppm	ASTM D5185m	>20	4		
	Fuel	%	ASTM D3524	>6.0	0.4		
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	0.5		
	Nitration	Abs/cm	*ASTM D7624	>20	7.5		
	Sulfation	Abs/.1mm	*ASTM D7415		18.7		
	FLUID DEGRAI		method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	13.0		
		-	-				
	Base Number (BN)	ma KOH/a	ASTM D2896	98	7.7		



# **OIL ANALYSIS REPORT**



Received

Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

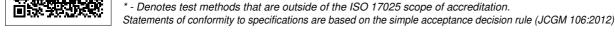
Diagnosed

: 31 Oct 2023

: 03 Nov 2023

Diagnostician : Jonathan Hester

GFL Environmental - 421 - Huntington Road Hauling 3204 Lower Huntington Rd FORT WAYNE, IN US 46809 Contact: Jeffrey Funk jeffreyfunk@gflenv.com T: 06:2012) F:



篓

Certificate L2367

Sample No.

Lab Number

Unique Number

: GFL0095279

: 05994056

: 10722416

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact/Location: See also GFL421 - Jeffrey Funk - GFL421

history2

history2