

PROBLEM SUMMARY

Sample Rating Trend

VISCOSITY



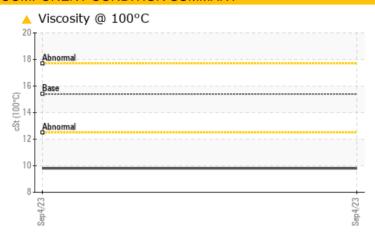


Machine Id 414060 Component **Diesel Engine**

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

\

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATI	C TES	T RESULT	S		
Sample Status				ABNORMAL	
Visc @ 100°C	cSt	ASTM D445	15.4	A 9.8	

Customer Id: GFL152 Sample No.: GFL0078660 Lab Number: 05956193 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

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

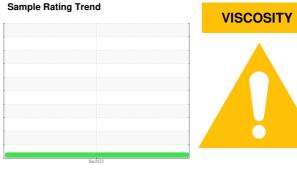
RECOMMENDE	RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description		
Change Fluid			?	Oil and filter change at the time of sampling has been noted.		
Change Filter			?	Oil and filter change at the time of sampling has been noted.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT





DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

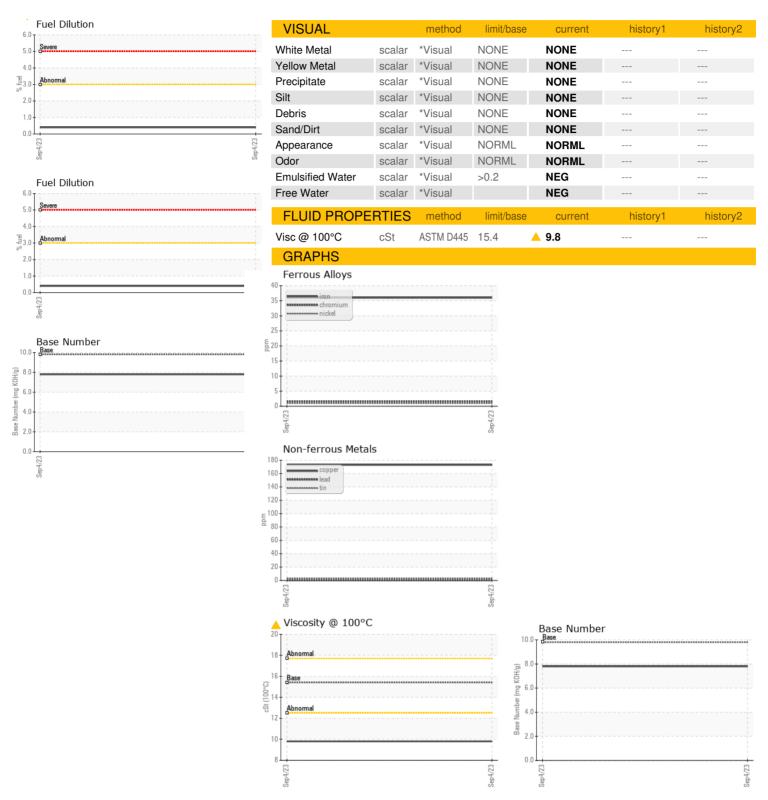
Fluid Condition

The oil viscosity is lower than normal. Confirm oil type.

N SHP 15W40 (GAL)			Sep2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0078660		
Sample Date		Client Info		04 Sep 2023		
Machine Age	hrs	Client Info		574		
Oil Age	hrs	Client Info		0		
Oil Changed	1110	Client Info		Changed		
Sample Status		Olioni inio		ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	36		
Chromium	ppm	ASTM D5185m	>20	2		
Vickel	ppm	ASTM D5185m	>5	1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m		23		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m		173		
Tin	ppm	ASTM D5185m	>15	3		
√anadium	ppm	ASTM D5185m	>10	0		
Cadmium		ASTM D5185m		0		
	ppm					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	158		
Barium	ppm		0	<1		
Molybdenum	ppm	ASTM D5185m	60	118		
Manganese	ppm	ASTM D5185m	0	4		
Magnesium	ppm	ASTM D5185m	1010	611		
Calcium	ppm	ASTM D5185m	1070	1430		
Phosphorus	ppm	ASTM D5185m	1150	665		
Zinc	ppm	ASTM D5185m	1270	825		
Sulfur	ppm	ASTM D5185m	2060	2632		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	60		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	53		
Fuel	%	ASTM D3524	>3.0	0.4		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.3		
Nitration	Abs/cm	*ASTM D7624	>20	9.4		
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.8		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.0		
Base Number (BN)				7.8		
Dase Mulliber (DIN)	my Kony	AOTIVI DZ030	5.0	7.0		



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: GFL0078660

: 05956193 : 10657406

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Sep 2023 Diagnosed

: 21 Sep 2023

Diagnostician : Angela Borella **Test Package**: FLEET (Additional Tests: FuelDilution, PercentFuel) GFL Environmental - 152 - Jacksonville 7580 PHILIPS HWY

Jacksonville, FL US 32256

Contact: Robert Clark

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)

T: F: