

PROBLEM SUMMARY

Sample Rating Trend

FUEL

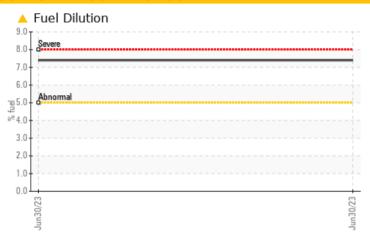


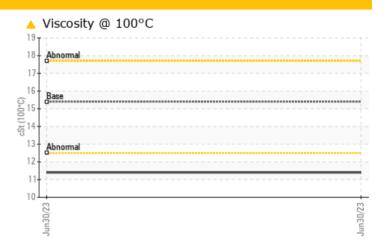
FREIGHTLINER 40

Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (13 LTR)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	
Fuel	%	ASTM D3524	>5	7.4	
Visc @ 100°C	cSt	ASTM D445	15.4	Δ 11 Δ	

Customer Id: ATRPIN Sample No.: PCA0100687 Lab Number: 05889871 Test Package: FLEET

To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

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

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Resample			?	We recommend an early resample to monitor this condition.			

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



FREIGHTLINER 40

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (13

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

All component wear rates are normal.

Contamination

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining 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.

LTR)				Jun 2023		
SAMPLE INFOF	RMATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0100687		
Sample Date		Client Info		30 Jun 2023		
Machine Age	mls	Client Info		343169		
Oil Age	mls	Client Info		26509		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history 1	history 2
Glycol		WC Method		NEG		
WEAR METAL	_S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>80	19		
Chromium	ppm	ASTM D5185m	>5	1		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>30	<1		
Lead	ppm	ASTM D5185m	>30	14		
Copper	ppm	ASTM D5185m	>150	1		
Tin	ppm	ASTM D5185m	>5	1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	14		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	53		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	762		
Calcium	ppm	ASTM D5185m	1070	1185		
Phosphorus	ppm	ASTM D5185m	1150	874		
Zinc	ppm	ASTM D5185m	1270	1074		
Sulfur	ppm	ASTM D5185m	2060	2644		
CONTAMINA	NTS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>20	10		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	1		
Fuel	%	ASTM D3524	>5	^ 7.4		

Onicon	ppiii	AO IIVI DO IOOIII	/20	10		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	1		
Fuel	%	ASTM D3524	>5	^ 7.4		
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	1.1		
Nitration	Abs/cm	*ASTM D7624	>20	9.8		
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.1		
FLUID DEGRAD	AHON	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.4		

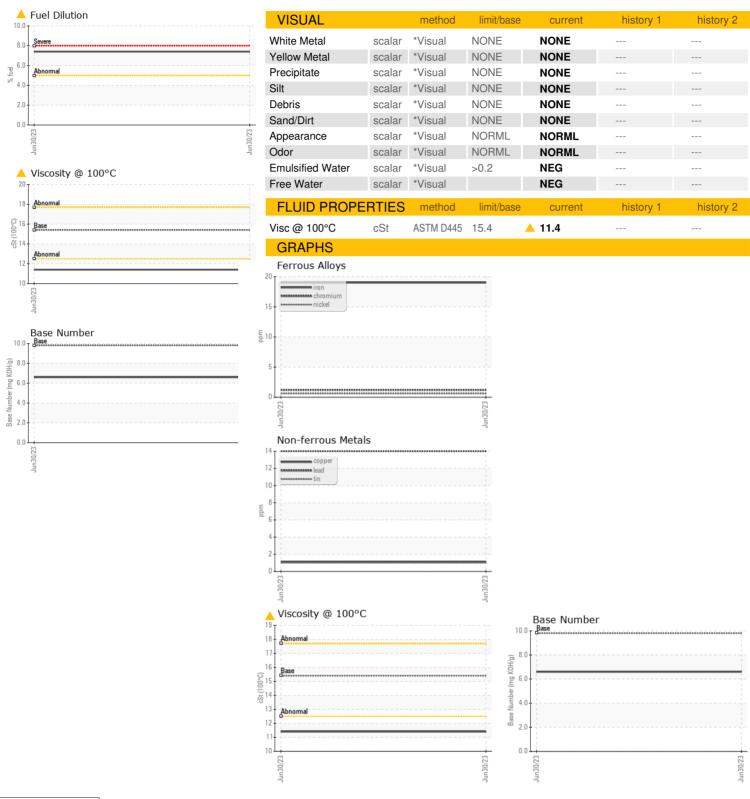
6.6

Base Number (BN) mg KOH/g ASTM D2896 9.8

Report Id: ATRPIN [WUSCAR] 05889871 (Generated: 07/06/2023 09:30:11) Rev: 1



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number Unique Number

: 05889871 : 10545681

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0100687 Received Diagnosed

: 06 Jul 2023 Diagnostician : Wes Davis **Test Package**: FLEET (Additional Tests: FuelDilution, PercentFuel)

: 05 Jul 2023

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)

A Truck Repair

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Contact: Vlad Melnichuk shop@migway.com T: (980)255-3200