

PROBLEM SUMMARY

Sample Rating Trend

DEGRADATION



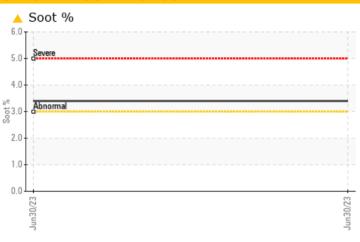
FREIGHTLINER 28

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (13 LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. NOTE: High solids (carbon/soot) in the sample have limited the accuracy of Infra-Red data including Total Base Number (TBN) value.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	
Soot %	%	*ASTM D7844	>3	△ 3.4	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	▲ 3.1	

Customer Id: ATRPIN
Sample No.: PCA0100688
Lab Number: 05897862
Test Package: FLEET

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

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.	
Alert			?	NOTE: High solids (carbon/soot) in the sample have limited the accuracy of Infra-Red data including Total Base Number (TBN) value.	

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



FREIGHTLINER 28

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (13 LTR)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. NOTE: High solids (carbon/soot) in the sample have limited the accuracy of Infra-Red data including Total Base Number (TBN) value.

Wear

All component wear rates are normal.

Contamination

There is an abnormal amount of solids and carbon present in the oil.

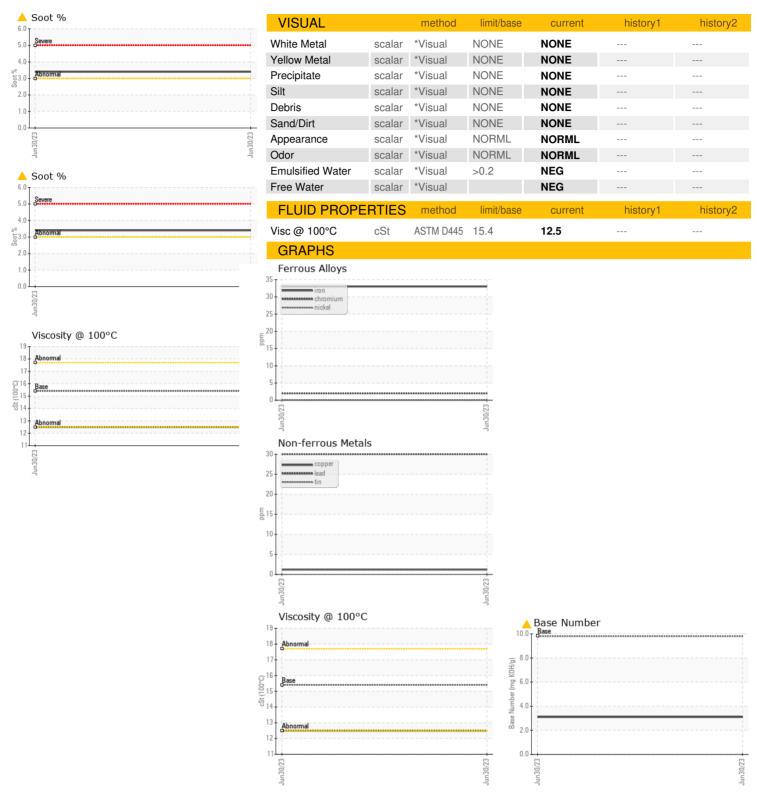
▲ Fluid Condition

The BN level is low.

TR)						
•••,				Jun 2023		
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0100688		
Sample Date		Client Info		30 Jun 2023		
Machine Age n	nls	Client Info		528455		
Dil Age n	nls	Client Info		32077		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
uel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
on p	pm	ASTM D5185m	>80	33		
	pm	ASTM D5185m	>5	2		
	pm	ASTM D5185m	>2	0		
	pm	ASTM D5185m		0		
	pm	ASTM D5185m	>3	0		
· - 1-	pm	ASTM D5185m	>30	6		
	pm	ASTM D5185m	>30	30		
	pm	ASTM D5185m	>150	1		
	pm	ASTM D5185m	>5	1		
	pm	ASTM D5185m		0		
	pm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron p	pm	ASTM D5185m	0	1		
	pm	ASTM D5185m	0	0		
	pm	ASTM D5185m	60	61		
	ppm	ASTM D5185m		<1		
	pm	ASTM D5185m	1010	794		
-	pm	ASTM D5185m	1070	1029		
	ppm	ASTM D5185m	1150	828		
	pm	ASTM D5185m	1270	1057		
	ppm	ASTM D5185m	2060	2776		
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon p	pm	ASTM D5185m	>20	4		
Sodium p	ppm	ASTM D5185m		38		
Potassium p	pm	ASTM D5185m	>20	28		
INFRA-RED		method	limit/base	current	history1	history2
Soot % %	%	*ASTM D7844	>3	▲ 3.4		
Nitration A	Abs/cm	*ASTM D7624	>20	12.1		
	lbs/.1mm	*ASTM D7415	>30	30.5		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation A	lbs/.1mm	*ASTM D7414	>25	24.7		
Danie Nieuwele en (DNI)		AOTA DOGGO	0.0	A 0.4		



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: PCA0100688 : 05897862 : 10559218 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 Jul 2023 Diagnosed : 17 Jul 2023 Diagnostician

: Don Baldridge

A Truck Repair 9349 China Grove Church Road Pineville, NC US 28134 Contact: Vlad Melnichuk

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

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)