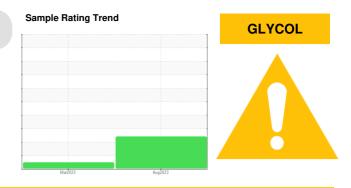


PROBLEM SUMMARY

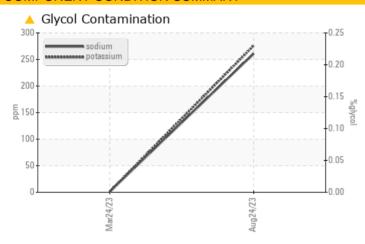
(89823X) Walgreens Machine Id [Walgreens] 136A68035

Diesel Engine

PETRO CANADA DURON SHP 10W30 (11 GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATION	C TES	T RESULT	S			
Sample Status				ABNORMAL	NORMAL	
Sodium	ppm	ASTM D5185m		261	1	
Potassium	ppm	ASTM D5185m	>20	276	<1	

Customer Id: TSV1376 Sample No.: PCA0093540 Lab Number: 05949785 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 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 Glycol Access ? We advise that you check for the source of the coolant leak.

HISTORICAL DIAGNOSIS

24 Mar 2023 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



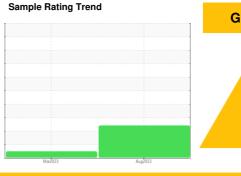


OIL ANALYSIS REPORT

(89823X) Walgreens [Walgreens] 136A68035

Diesel Engine

PETRO CANADA DURON SHP 10W30 (11 GAL)





DIAGNOSIS

Recommendation

We advise that you check for the source of the coolant leak. Check for low coolant level. 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

Sodium and/or potassium levels are high.

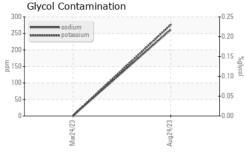
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil.

GAL)			Mar2023	Aug 2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0093540	PCA0082391	
Sample Date		Client Info		24 Aug 2023	24 Mar 2023	
Machine Age	mls	Client Info		227288	216104	
Oil Age	mls	Client Info		216104	216104	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	66	26	
Chromium	ppm	ASTM D5185m	>5	1	<1	
Nickel	ppm	ASTM D5185m	>2	0	0	
Titanium	ppm	ASTM D5185m		21	6	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>30	1	2	
Lead	ppm	ASTM D5185m	>30	0	0	
Copper	ppm	ASTM D5185m	>150	1	<1	
Tin	ppm	ASTM D5185m	>5	<1	0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	4	9	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	58	45	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	950	615	786	
Calcium	ppm	ASTM D5185m	1050	1584	1363	
Phosphorus	ppm	ASTM D5185m	995	908	965	
Zinc	ppm	ASTM D5185m	1180	1172	1224	
Sulfur	ppm	ASTM D5185m	2600	3804	3292	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	11	5	
Sodium	ppm	ASTM D5185m		<u>^</u> 261	1	
Potassium	ppm	ASTM D5185m	>20	276	<1	
Glycol	%	*ASTM D2982		NEG	NEG	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.6	
Nitration	Abs/cm	*ASTM D7624	>20	11.9	10.5	
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1	22.7	
	71007111111					
FLUID DEGRAI		method	limit/base	current	history1	history2
FLUID DEGRAL Oxidation		method *ASTM D7414	limit/base >25	current 16.6	history1 20.1	history2
	Abs/.1mm					



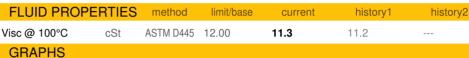
OIL ANALYSIS REPORT

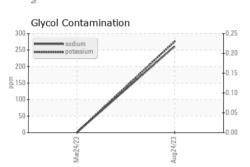


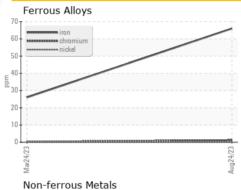
			0.25		
		-	-0.20		
			-0.15	%9	
			-0.10	glycol	
			-0.05		
_	_	_	0.00		

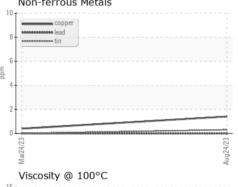
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
ELLUD DDODE	DTIEO		11 11 11		1111	111

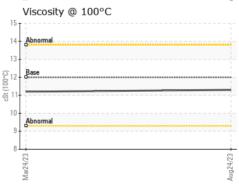
14 - Ab	normal	 	 	 	 	
13 - Ba						
12 - Ba		 	 	 	 	
10						
Ab	normal	 		 	 	
8						

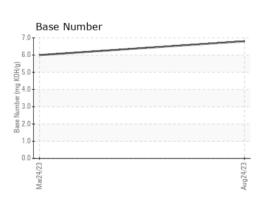
















Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: PCA0093540 : 05949785 : 10645744

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

Received Diagnosed

: 13 Sep 2023 : 18 Sep 2023 Diagnostician : Jonathan Hester

Test Package : FLEET (Additional Tests: Glycol) 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)

Transervice - Shop 1376 - Berkeley-Linden

3425 Tremley Point Road Linden, NJ US 07036

Contact: Shop 1376 Oil Analysis shop1376@transervice.com

T:

F: