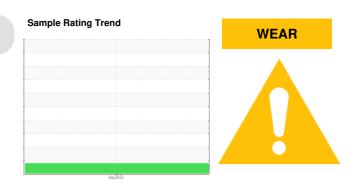


PROBLEM SUMMARY

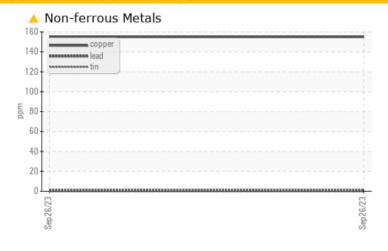
(51487Z) Walgreens - Tractor [Walgreens - Tractor] 136A63341

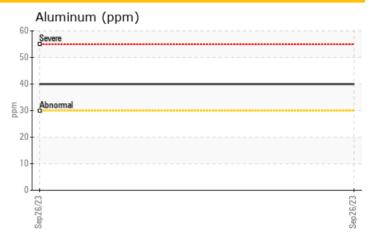
Diesel Engine

PETRO CANADA DURON SHP 10W30 (11 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.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	
Copper	ppm	ASTM D5185m	>150	155	

Customer Id: TSV1369 Sample No.: PCA0106540 Lab Number: 05972451 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.	

HISTORICAL DIAGNOSIS

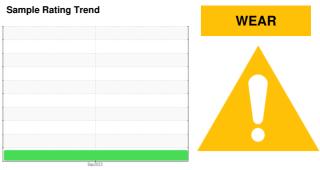


OIL ANALYSIS REPORT

(51487Z) Walgreens - Tractor [Walgreens - Tractor] 136A63341

Diesel Engine

PETRO CANADA DURON SHP 10W30 (11 GAL)



DIAGNOSIS

Recommendation

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

Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

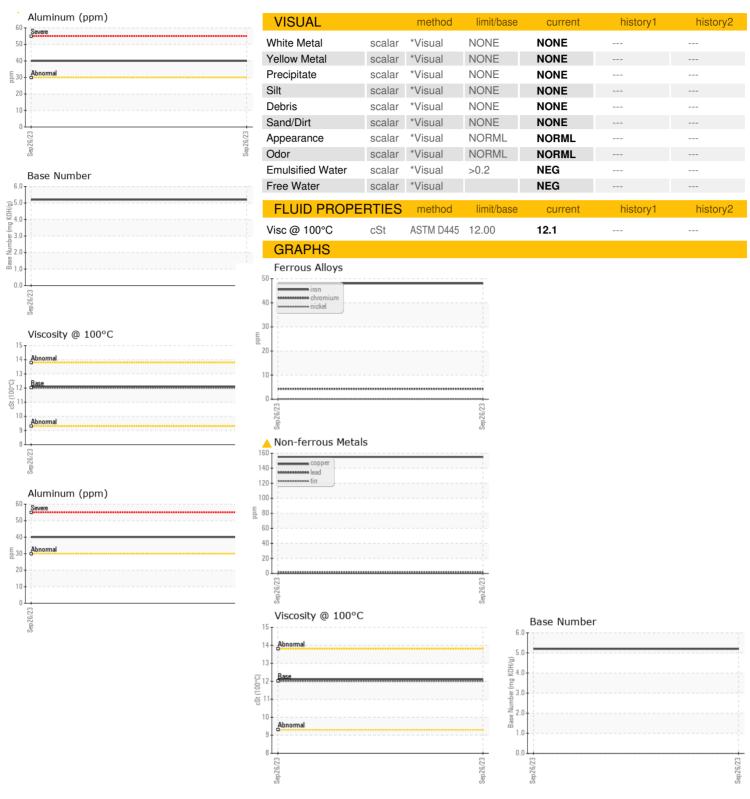
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

iAL)			-	Sep 2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0106540		
Sample Date		Client Info		26 Sep 2023		
Machine Age	mls	Client Info		101309		
Oil Age	mls	Client Info		61304		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
-uel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>80	48		
Chromium	ppm	ASTM D5185m	>5	4		
Nickel	ppm	ASTM D5185m	>2	<1		
Γitanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>30	40		
_ead	ppm	ASTM D5185m	>30	<1		
Copper	ppm	ASTM D5185m	>150	<u> </u>		
Γin	ppm	ASTM D5185m	>5	2		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	11		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	59		
Manganese	ppm	ASTM D5185m	0	2		
Magnesium	ppm	ASTM D5185m	950	899		
Calcium	ppm	ASTM D5185m	1050	1303		
Phosphorus	ppm	ASTM D5185m	995	967		
Zinc	ppm	ASTM D5185m	1180	1188		
Sulfur	ppm	ASTM D5185m	2600	2186		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	7		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	93		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.8		
Nitration	Abs/cm	*ASTM D7624	>20	10.1		
Sulfation		*ACTM D741E	>30	24.9		
Sanation	Abs/.1mm	*ASTM D7415	<i>></i> 500	24.9		
FLUID DEGRA			limit/base	current	history1	history2
FLUID DEGRA						history2
	DATION	method	limit/base	current	history1	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: PCA0106540 : 05972451 : 10684401 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 09 Oct 2023 Received

Diagnosed : 11 Oct 2023 Diagnostician : Jonathan Hester

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)

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