

PROBLEM SUMMARY

2606C PETERBILT

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (48 QTS)

COMPONENT CONDITION SUMMARY



Sample Rating Trend



RECOMMENDATION

We advise that you check for the source of the coolant leak. Check for low coolant level. 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	ABNORMAL	NORMAL		
Lead	ppm	ASTM D5185m	>30	<u> </u>	17	4		
Sodium	ppm	ASTM D5185m		<u> </u>	45	89		
Potassium	ppm	ASTM D5185m	>20	<u> </u>	1 70	3		

Customer Id: GFL001 Sample No.: GFL0094724 Lab Number: 06010562 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 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
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



20 Sep 2023 Diag: Jonathan Hester

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Sodium and/or potassium levels are high. Test for glycol is negative. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



view report

10 Apr 2023 Diag: Jonathan Hester



Resample at the next service interval to monitor.All component wear rates are normal. 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.

15 Aug 2022 Diag: Jonathan Hester





We advise that you check for possible 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.All component wear rates are normal. Sodium and/or potassium levels are high. The BN result indicates that there is suitable alkalinity remaining in the oil.







OIL ANALYSIS REPORT

Sample Rating Trend

COOL CHEMICALS

2606C PETERBILT

Natural Gas Engine

Fluid PETRO CANADA DURON GEO LD 15W40 (48 QTS)

DIAGNOSIS

Recommendation

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

🔺 Wear

The lead level is abnormal. All other 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.

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0094724	GFL0056745	GFL0056653
Sample Date		Client Info		16 Nov 2023	20 Sep 2023	10 Apr 2023
Machine Age	hrs	Client Info		23053	22658	21443
Oil Age	hrs	Client Info		0	0	1050
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	47	35	15
Chromium	ppm	ASTM D5185m	>4	5	4	1
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>9	6	3	2
Lead	ppm	ASTM D5185m	>30	4 6	17	4
Copper	ppm	ASTM D5185m	>35	2	3	3
Tin	ppm	ASTM D5185m	>4	1	1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	14	13	9
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	56	55	53
Manganese	ppm	ASTM D5185m	0	1	2	<1
Magnesium	ppm	ASTM D5185m	560	638	625	540
Calcium	ppm	ASTM D5185m	1510	1753	1794	1629
Phosphorus	ppm	ASTM D5185m	780	827	775	692
Zinc	ppm	ASTM D5185m	870	1074	1023	963
Sulfur	ppm	ASTM D5185m	2040	2569	2978	2906
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	21	20	13
Sodium	ppm	ASTM D5185m		<u> </u>	45	89
Potassium	ppm	ASTM D5185m	>20	🔺 186	1 70	3
Glycol	%	*ASTM D2982		0.0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0
Nitration	Abs/cm	*ASTM D7624	>20	12.6	11.9	11.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.8	26.4	22.7
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	25.7	23.3	19.3
Base Number (BN)	ma KOH/a	ASTM D2896	10.2	3.1	4.0	3.1



OIL ANALYSIS REPORT



Submitted By: Craig Johnson

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