

## **OIL ANALYSIS REPORT**

### Sample Rating Trend



# PETERBILT 2305

#### Component **Diesel Engine**

Fluic PETRO CANADA DURON HP 15W40 (40 QTS)

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

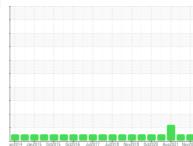
All component wear rates are normal.

#### Contamination

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.



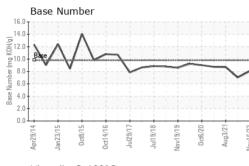


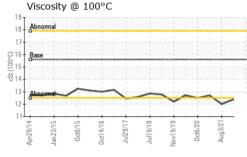
SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		RW0005063	RW0004124	RW0001999
Sample Date		Client Info		16 Nov 2023	04 Nov 2022	03 Aug 2021
Machine Age	hrs	Client Info		5482	4900	4327
Oil Age	hrs	Client Info		140	318	250
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	NORMAL	ATTENTION
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method		<1.0	<1.0	▲ 3.5
Water		WC Method		NEG	NEG	NEG
Glycol		WC Method	20.2	NEG	NEG	NEG
			11 11 /1	-		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>75	3	6	6
Chromium	ppm	ASTM D5185m		0	0	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	5	<1
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m		2	2	0
Lead	ppm	ASTM D5185m	>20	<1	<1	1
Copper	ppm	ASTM D5185m		0	<1	<1
Tin	ppm	ASTM D5185m	>5	<1	<1	<1
Antimony	ppm	ASTM D5185m				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		366	47	21
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		71	60	65
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		371	138	871
Calcium	ppm	ASTM D5185m		1325	1993	1106
Phosphorus	ppm	ASTM D5185m		1022	941	953
Zinc	ppm	ASTM D5185m		1126	1120	1142
Sulfur	ppm	ASTM D5185m		3172	4104	2646
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	5	2	<1
Sodium	ppm	ASTM D5185m		2	0	2
Potassium	ppm	ASTM D5185m	>20	2	3	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.6	9.2	6.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6	19.6	18.1
FLUID DEGRADA		method	limit/base	current	history1	history2
Oxidation						
	Abs/1mm	*ASTM D7414	>25	14.2	14.2	14
Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25 9.8	14.2 8.03	14.2 7.03	14 8.71

Contact/Location: ERIC KING - NEWMUS



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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367