

OIL ANALYSIS REPORT

Sample Rating Trend



Area **Plymouth & Brockton** Machine Id **11444** Component

Diesel Engine Fluid PETRO CANADA 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

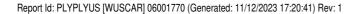
Contamination

There is no indication of any contamination in the oil.

Fluid Condition

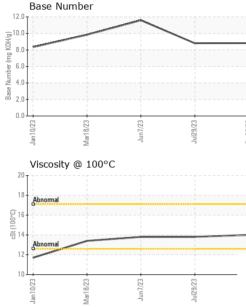
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

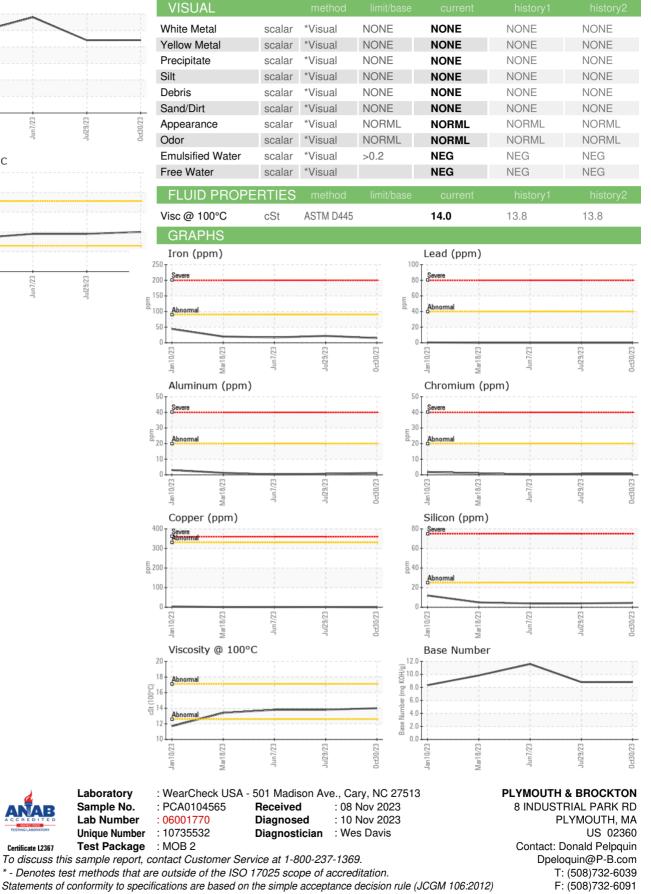
		Jan 2023		Jun2023 Jul2023	0ct2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0104565	PCA0013367	PCA0090512
Sample Date		Client Info		30 Oct 2023	29 Jul 2023	07 Jun 2023
Machine Age	mls	Client Info		72331	47668	37948
Oil Age	mls	Client Info		24000	24000	12000
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	15	22	17
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	<1	<1
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	0	1	<1
Tin	ppm	ASTM D5185m	>15	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		9	5	8
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		60	59	59
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		871	963	892
Calcium	ppm	ASTM D5185m		1066	1105	1078
Phosphorus	ppm	ASTM D5185m		929	961	937
Zinc	ppm	ASTM D5185m		1209	1241	1131
Sulfur	ppm	ASTM D5185m		2873	3383	3204
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	4
Sodium	ppm	ASTM D5185m		<1	2	2
Potassium	ppm	ASTM D5185m	>20	0	1	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	1.5	1.8	1.3
Nitration	Abs/cm	*ASTM D7624	>20	9.3	10.2	8.1
Cultation	Abs/.1mm	*ASTM D7415	>30	21.8	22.4	20.5
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Sulfation FLUID DEGRA		method	limit/base	current	history1	history2
			limit/base	current 15.9	history1 15.8	history2 14.2





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Certificate L2367

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