

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend





### Component Diesel Engine

Fluid PETRO CANADA DURON SHP 10W30 (--- GA

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

#### Wear

Metal levels are typical for a new component breaking in.

#### 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.

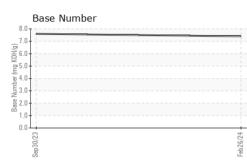
#### Fluid Condition

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

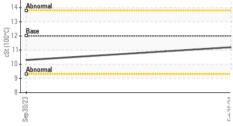
IATION	method	limit/base	current	history1	history2
	Client Info		PCA0119020	PCA0105328	
	Client Info		26 Feb 2024	30 Sep 2023	
mls	Client Info		21791	28235	
mls	Client Info		21791	28235	
	Client Info		Changed	Changed	
			NORMAL	NORMAL	
ON	method	limit/base	current	history1	history2
	WC Method	>5	<1.0	<1.0	
	WC Method	>0.2	NEG	NEG	
	WC Method		NEG	NEG	
3	method	limit/base	current	history1	history2
ppm	ASTM D5185m	>100	32	69	
ppm	ASTM D5185m	>20	3	4	
ppm	ASTM D5185m	>4	<1	1	
ppm	ASTM D5185m		<1	0	
ppm	ASTM D5185m	>3	<1	0	
ppm	ASTM D5185m	>20	45	60	
ppm	ASTM D5185m	>40	0	3	
ppm	ASTM D5185m	>330	149	281	
ppm	ASTM D5185m	>15	2	5	
ppm	ASTM D5185m		<1	<1	
ppm	ASTM D5185m		0	0	
	method	limit/base	current	history1	history2
ppm	ASTM D5185m	2	10	29	
ppm	ASTM D5185m	0	0	0	
ppm	ASTM D5185m	50	57	49	
ppm	ASTM D5185m	0	2	5	
ppm	ASTM D5185m	950	828	648	
ppm	ASTM D5185m	1050	1363	1855	
ppm	ASTM D5185m	995	1094	850	
ppm	ASTM D5185m	1180	1298	1048	
ppm	ASTM D5185m	2600	2768	2126	
ΓS	method	limit/base	current	history1	history2
ppm	ASTM D5185m	>25	4	7	
ppm	ASTM D5185m		3	7	
ppm	ASTM D5185m	>20	115	196	
	method	limit/base	current	history1	history2
%	*ASTM D7844	>3	0.6	0.7	
Abs/cm	*ASTM D7624	>20	8.7	10.1	
Abs/.1mm	*ASTM D7415	>30	20.4	23.2	
ATION	method	limit/base	current	history1	history2
Abs/.1mm	*ASTM D7414	>25	17.6	23.3	
	mis on on on on op op op op op op op op op op op op op	Client InfomlsClient InfomlsClient InfoClient InfoClient InfoClient InfoClient InfoMarrial Client InfoWarrialVWarrialVWarrialWC MethodWC MethodWC MethodWC MethodppmASTM D5185mppmASTM D5185mppm<	Client InfomlsClient InfomlsClient InfoClient InfoImit/baseClient InfoImit/baseWC Method>5WC Method>5WC Method>0.2WC Method>100ppmASTM D5185mPpmASTM D5185m<	Client Info26 Feb 2024mlsClient Info21791mlsClient Info21791Client Info21791Client InfoChangedNORMALNORMALONmethodImit/baseWC Method>5<1.0	Client Info26 Feb 202430 Sep 2023mlsClient Info2179128235mlsClient Info2179128235Client InfoChangedChangedNORMALNORMALNORMALWC Method>0.2NEGWC Method>0.2NEGWC Method>0.2NEGWC Method>0.2NEGWC Method>0.2NEGWC Method>0.2NEGPpmASTM D5185m>10032ASTM D5185m>203ASTM D5185m>4<11

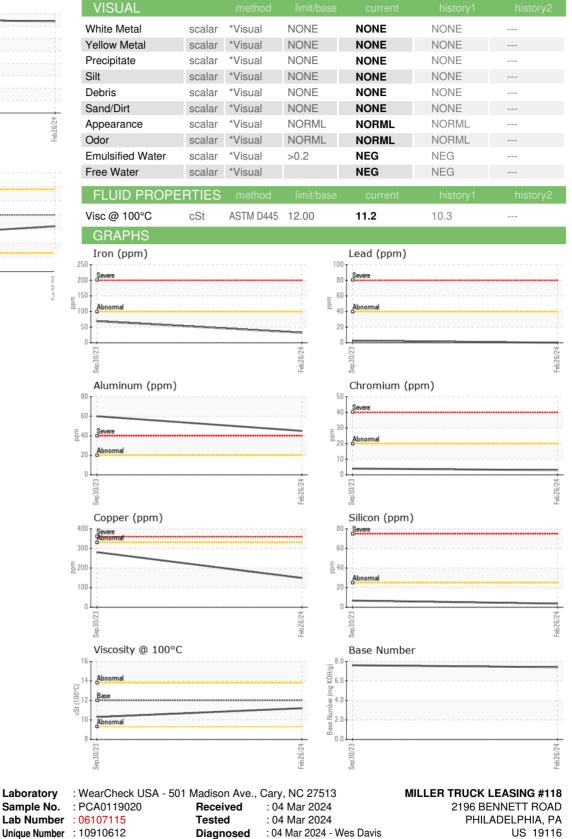


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#### Viscosity @ 100°C 15 Abnorma





Laboratory

Sample No.

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F: (215)552-9892