

OIL ANALYSIS REPORT

Sample Rating Trend





Component Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- QTS)

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

There is no indication of any contamination in the oil.

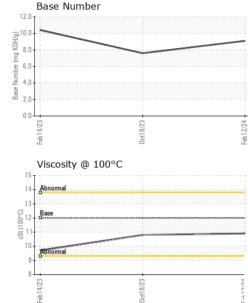
Fluid Condition

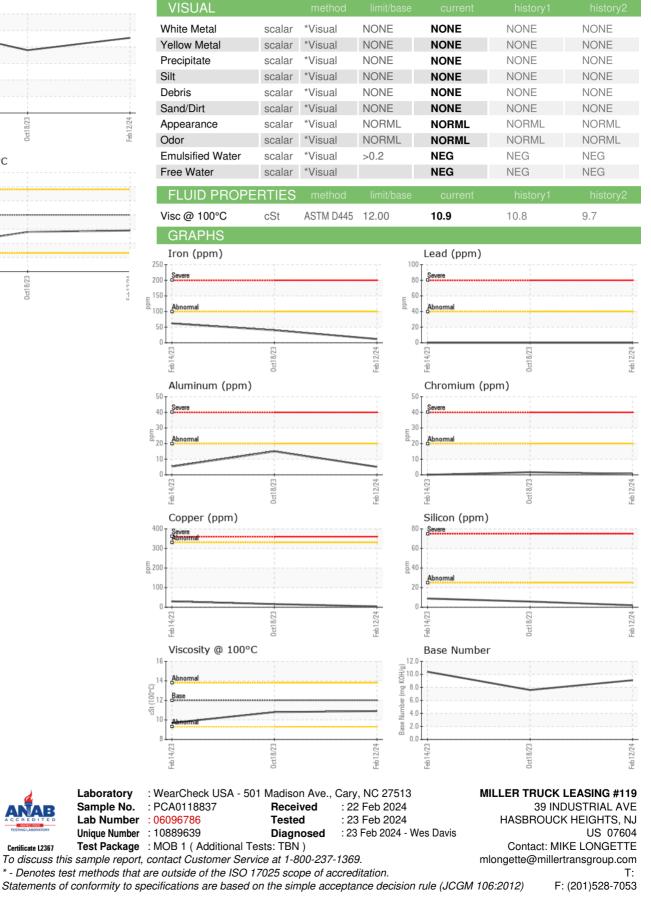
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

	TS)		Fet	2023	Oct2023 Feb20	24	
Sample Date Client Info 12 Feb 2024 18 Oct 2023 14 Feb 2023 Wachine Age mis Client Info 20684 17416 4261 Dil Age mis Client Info 0 0 0 0 Dil Changed Client Info Not Changed NORMAL	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age mis Client Info 20684 17416 4261 Dil Age mis Client Info 0 0 0 Dil Age mis Client Info Not Changed Ch	Sample Number		Client Info		PCA0118837	PCA0106320	PCA0092395
Dil Age mis Client Info 0 0 0 Dil Changed Client Info Not Changed Changed Changed Sample Status Imilians Imilians Current NoRMAL NORMAL CONTAMINATION method Imilians current Nistory2 Fuel WC Method >5 <1.0	Sample Date		Client Info		12 Feb 2024	18 Oct 2023	14 Feb 2023
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Manganese ppm ASTM D5185m 0 <1 3 8 Magnesium ppm ASTM D5185m 950 893 889 525 Calcium ppm ASTM D5185m 1050 1064 1155 1577 Phosphorus ppm ASTM D5185m 1050 1066 1088 708 Zinc ppm ASTM D5185m 995 1006 1088 708 Sulfur ppm ASTM D5185m 2600 2960 2904 2436 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 2 6 9 Sodium ppm ASTM D5185m >20 4 21 7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.2 0.5 0.2 Soot % % *ASTM D7415 >30	Barium	ppm	ASTM D5185m	0	0	0	0
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Date ppm ASTM D5185m 1050 1064 1155 1577 Phosphorus ppm ASTM D5185m 995 1006 1088 708 Zinc ppm ASTM D5185m 1180 1145 1235 870 Sulfur ppm ASTM D5185m 2600 2960 2904 2436 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 2 6 9 Sodium ppm ASTM D5185m >20 4 21 7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.2 0.5 0.2 Soot % % *ASTM D7624 >20 6.2 9.6 6.7 Sulfation Abs/.mm *ASTM D7415 >30 18.0 20.1 21.3 FLUID DEGRADATION method limit/base	Manganese	ppm	ASTM D5185m	0	<1	3	8
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Soot % % *ASTM D7844 >3 0.2 0.5 0.2 Nitration Abs/cm *ASTM D7624 >20 6.2 9.6 6.7 Sulfation Abs/.1mm *ASTM D7415 >30 18.0 20.1 21.3 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.0 16.8 18.6	Potassium	ppm	ASTM D5185m	>20	4	21	7
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FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 14.0 16.8 18.6		Abs/cm		>20			
Dxidation Abs/.1mm *ASTM D7414 >25 14.0 16.8 18.6	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.0	20.1	21.3
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 9.1 7.6 10.4	Dxidation	Abs/.1mm	*ASTM D7414	>25	14.0	16.8	18.6
	Base Number (BN)	mg KOH/g	ASTM D2896		9.1	7.6	10.4



OIL ANALYSIS REPORT





Certificate L2367