

## **OIL ANALYSIS REPORT**

Sample Rating Trend





Component Diesel Engine

Fluid PETRO CANADA DURON SHP 10W30 (--- GAL)

### DIAGNOSIS

#### Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

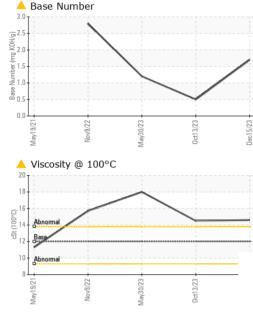
#### Fluid Condition

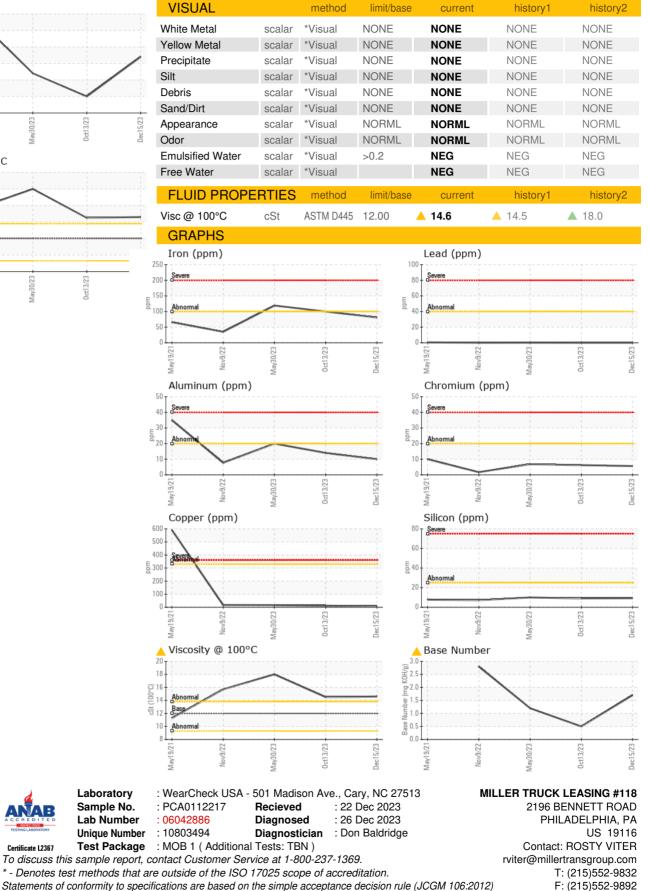
The oil viscosity is higher than normal. The BN level is low.

Image         method           Client Info         Client Info           Client Info         Client Info           Client Info         Client Info           Client Info         Client Info           WC Method         WC Method           WC Method         WC Method           ASTM D5185m         ASTM D5185m           ASTM D5185m         ASTM D5185m	>20 >40	PCA0112217 15 Dec 2023 411227 411227 Changed ABNORMAL current <1.0 NEG NEG	history1           PCA0108387           13 Oct 2023           384690           56151           Not Changd           ABNORMAL           <1.0           NEG           NEG           100           6           <1.2           14           0           12	history2         PCA0095800         30 May 2023         328539         328539         Changed         ABNORMAL         history2         <1.0         NEG         NEG         history2         <119         7         <1         37         0         ≥20         <1
Client Info Client Info Client Info Client Info Client Info WC Method WC Method WC Method WC Method WC Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>5 >0.2 <b>limit/base</b> >100 >20 >4 >3 >20 >40 >330	15 Dec 2023 411227 411227 Changed ABNORMAL < current <1.0 NEG NEG 0 Current 81 6 6 <1 4 0 10 0	13 Oct 2023 384690 56151 Not Changd ABNORMAL <1.0 NEG NEG history1 100 6 <1 7 0 14 0	30 May 2023 328539 328539 Changed ABNORMAL  
Client Info Client Info Client Info WC Method WC Method WC Method WC Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>5 >0.2 <b>limit/base</b> >100 >20 >4 >3 >20 >40 >330	411227 411227 Changed ABNORMAL < <1.0 NEG NEG 81 6 <1 6 <1 4 0 10 0	384690 56151 Not Changd ABNORMAL 100NEGNEG1006<1	328539 328539 Changed ABNORMAL  1.0
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method WC Method WC Method WC Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>5 >0.2 <b>limit/base</b> >100 >20 >4 >3 >20 >40 >330	ABNORMAL           current           <1.0           NEG           NEG           81           6           <1           4           0           10           0           10           0	ABNORMAL history1 <1.0 NEG NEG history1 100 6 <1 7 0 14 0	ABNORMAL history2 <1.0 NEG NEG history2 ▲ 119 7 <1 37 0 ▲ 20
WC Method WC Method WC Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>5 >0.2 <b>limit/base</b> >100 >20 >4 >3 >20 >40 >330	ABNORMAL           current           <1.0           NEG           NEG           81           6           <1           4           0           10           0           10           0	history1           <1.0	ABNORMAL history2 <1.0 NEG NEG history2 ▲ 119 7 <1 37 0 ▲ 20
WC Method WC Method WC Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>5 >0.2 <b>limit/base</b> >100 >20 >4 >3 >20 >40 >330	<1.0 NEG NEG 81 6 <1 4 0 10 0	<1.0 NEG NEG history1 100 6 <1 7 0 14 0	<1.0 NEG NEG 119 7 <1 37 0 20
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	>330	-		~1
ASTM D5185m		9	10	< I
	>15		12	16
ASTM D5185m		<1	1	1
ASTM D5185m		<1	0	<1
ASTM D5185m		0	0	0
method	limit/base	current	history1	history2
ASTM D5185m	2	5	3	8
ASTM D5185m	0	0	0	0
ASTM D5185m	50	65	70	42
ASTM D5185m	0	1	<1	2
ASTM D5185m	950	1058	1061	755
ASTM D5185m	1050	1359	1457	1978
ASTM D5185m	995	1212	1188	1172
ASTM D5185m	1180	1479	1510	1474
ASTM D5185m	2600	2581	3024	3509
method	limit/base	current	history1	history2
ASTM D5185m	>25	9	9	10
ASTM D5185m		3	2	0
AUTIVI DUTUUIII	>20	4	12	20
ASTM D5185m	limit/base	current	history1	history2
	>3	2	1.9	2
ASTM D5185m	>20	23.2	24.9	27.5
ASTM D5185m method *ASTM D7844		39.3	41.0	46.6
ASTM D5185m method *ASTM D7844 m *ASTM D7624	>30		history1	history2
ASTM D5185m method *ASTM D7844 m *ASTM D7624 m *ASTM D7615		current		
ASTM D5185m method *ASTM D7844 m *ASTM D7624 m *ASTM D7615	limit/base	54.7	57.8	64.4
	*ASTM D7844 *ASTM D7624	method         limit/base           *ASTM D7844         >3           m         *ASTM D7624         >20           am         *ASTM D7415         >30	method         limit/base         current           *ASTM D7844         >3         2           m         *ASTM D7624         >20         23.2           am         *ASTM D7415         >30         39.3	methodlimit/basecurrenthistory1*ASTM D7844>321.9m*ASTM D7624>2023.224.9am*ASTM D7415>3039.341.0ONmethodlimit/basecurrenthistory1



# **OIL ANALYSIS REPORT**





Certificate L2367

Laboratory

Sample No.

Lab Number

Contact/Location: ROSTY VITER - MILPHINE