

OIL ANALYSIS REPORT

Sample Rating Trend





Component Diesel Engine

Fluid

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

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

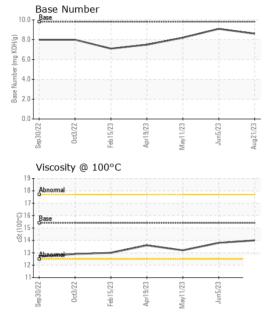
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

mls	Client Info Client Info		GFL0088191	GFL0067801 05 Jun 2023	GFL0067807
mls			01 Aug 0000	05 Jun 2022	44 14 0000
mls			21 Aug 2023	05 JUH 2025	11 May 2023
	Client Info		141678	134730	132935
mls	Client Info		0	0	0
	Client Info		Not Changd	Not Changd	Changed
			NORMAL	NORMAL	NORMAL
NC	method	limit/base	current	history1	history2
	WC Method	>5	<1.0	<1.0	<1.0
	WC Method		NEG	NEG	NEG
3	method	limit/base	current	history1	history2
ppm	ASTM D5185m	>100	2	4	9
ppm	ASTM D5185m	>20	<1	0	0
ppm	ASTM D5185m	>4	0	<1	0
ppm	ASTM D5185m		0	0	0
ppm	ASTM D5185m	>3	0	0	0
ppm	ASTM D5185m		2	0	2
ppm	ASTM D5185m	>40	<1	<1	0
ppm	ASTM D5185m	>330	<1	<1	<1
ppm	ASTM D5185m	>15	0	0	0
ppm	ASTM D5185m		0	0	0
ppm	ASTM D5185m		0	0	0
	method	limit/base	current	history1	history2
ppm	ASTM D5185m	0	0	0	0
ppm	ASTM D5185m	0	0	0	0
ppm	ASTM D5185m	60	62	59	55
ppm	ASTM D5185m	0	<1	0	0
	ASTM D5185m	1010	948	855	893
	ASTM D5185m	1070	1088	1026	1078
	ASTM D5185m	1150	1040	991	973
	ASTM D5185m	1270	1275	1150	1205
ppm	ASTM D5185m	2060	3620	2925	3459
ſS	method	limit/base	current	history1	history2
ppm	ASTM D5185m	>25	4	4	4
ppm	ASTM D5185m		2	0	6
ppm	ASTM D5185m	>20	<1	<1	<1
	method	limit/base	current	history1	history2
%	*ASTM D7844	>3	0.2	0.2	0.4
Abs/cm	*ASTM D7624	>20	6.1	6.3	8.7
Abs/.1mm	*ASTM D7415	>30	18.1	18.4	20.0
ATION	method	limit/base	current	history1	history2
Abs/.1mm	*ASTM D7414	>25	14.3	13.9	16.2
	ppm ppm </th <th>WC Method WC Method WC Method Ppm ASTM D5185m Ppm A</th> <th>WC Method >5 WC Method Iimit/base ppm ASTM D5185m >100 ppm ASTM D5185m >20 ppm ASTM D5185m >4 ppm ASTM D5185m >4 ppm ASTM D5185m >20 ppm ASTM D5185m >4 ppm ASTM D5185m >3 ppm ASTM D5185m >30 ppm ASTM D5185m >330 ppm ASTM D5185m >330 ppm ASTM D5185m >15 ppm ASTM D5185m 0 ppm ASTM D5185m 1010 ppm ASTM D5185m 1270 ppm ASTM D5185m 1270 ppm ASTM D5185m 1270 ppm ASTM D5185m 220</th> <th>ON method limit/base current WC Method >5 <1.0 WC Method Imit/base current ppm ASTM D5185m >100 2 ppm ASTM D5185m >20 <1 ppm ASTM D5185m >20 <1 ppm ASTM D5185m >20 <1 ppm ASTM D5185m >4 0 ppm ASTM D5185m >40 <1 ppm ASTM D5185m >20 2 ppm ASTM D5185m >330 <1 ppm ASTM D5185m >15 0 ppm ASTM D5185m >15 0 ppm ASTM D5185m 0 0 ppm ASTM D5185m 1010 948</th> <th>N method limit/base current history1 WC Method >5 <1.0 <1.0 WC Method NEG NEG ppm ASTM D5185m >100 2 4 ppm ASTM D5185m >20 <1 0 ppm ASTM D5185m >20 <1 0 ppm ASTM D5185m >20 <1 0 ppm ASTM D5185m >3 0 0 ppm ASTM D5185m >3 0 0 ppm ASTM D5185m >20 2 0 ppm ASTM D5185m >330 <1 <1 ppm ASTM D5185m >15 0 0 ppm ASTM D5185m >15 0 0 ppm ASTM D5185m 0 0 0 ppm ASTM D5185m 0 0 0 ppm ASTM D5185m 0 0 0 ppm</th>	WC Method WC Method WC Method Ppm ASTM D5185m Ppm A	WC Method >5 WC Method Iimit/base ppm ASTM D5185m >100 ppm ASTM D5185m >20 ppm ASTM D5185m >4 ppm ASTM D5185m >4 ppm ASTM D5185m >20 ppm ASTM D5185m >4 ppm ASTM D5185m >3 ppm ASTM D5185m >30 ppm ASTM D5185m >330 ppm ASTM D5185m >330 ppm ASTM D5185m >15 ppm ASTM D5185m 0 ppm ASTM D5185m 1010 ppm ASTM D5185m 1270 ppm ASTM D5185m 1270 ppm ASTM D5185m 1270 ppm ASTM D5185m 220	ON method limit/base current WC Method >5 <1.0 WC Method Imit/base current ppm ASTM D5185m >100 2 ppm ASTM D5185m >20 <1 ppm ASTM D5185m >20 <1 ppm ASTM D5185m >20 <1 ppm ASTM D5185m >4 0 ppm ASTM D5185m >40 <1 ppm ASTM D5185m >20 2 ppm ASTM D5185m >330 <1 ppm ASTM D5185m >15 0 ppm ASTM D5185m >15 0 ppm ASTM D5185m 0 0 ppm ASTM D5185m 1010 948	N method limit/base current history1 WC Method >5 <1.0 <1.0 WC Method NEG NEG ppm ASTM D5185m >100 2 4 ppm ASTM D5185m >20 <1 0 ppm ASTM D5185m >20 <1 0 ppm ASTM D5185m >20 <1 0 ppm ASTM D5185m >3 0 0 ppm ASTM D5185m >3 0 0 ppm ASTM D5185m >20 2 0 ppm ASTM D5185m >330 <1 <1 ppm ASTM D5185m >15 0 0 ppm ASTM D5185m >15 0 0 ppm ASTM D5185m 0 0 0 ppm ASTM D5185m 0 0 0 ppm ASTM D5185m 0 0 0 ppm

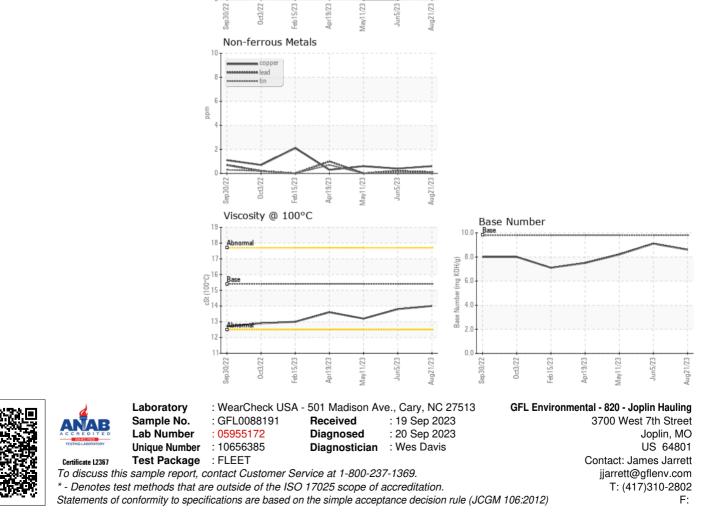


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	method	limit/base	current	history1	history2
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NORML	NORML	NORML	NORML
scalar	*Visual	NORML	NORML	NORML	NORML
scalar	*Visual	>0.2	NEG	NEG	NEG
scalar	*Visual		NEG	NEG	NEG
RTIES	method	limit/base	current	history1	history2
cSt	ASTM D445	15.4	14.0	13.8	13.2
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	scalar scalar scalar scalar scalar scalar scalar scalar scalar	scalar *Visual scalar *Visual scalar *Visual scalar *Visual scalar *Visual scalar *Visual scalar *Visual scalar *Visual scalar *Visual scalar *Visual	scalar *Visual NONE scalar *Visual NONE scalar *Visual NONE scalar *Visual NONE scalar *Visual NONE scalar *Visual NORML scalar *Visual NORML scalar *Visual >0.2 scalar *Visual RTIES method limit/base	scalar*VisualNONENONEscalar*VisualNONENONEscalar*VisualNONENONEscalar*VisualNONENONEscalar*VisualNONENONEscalar*VisualNONENONEscalar*VisualNORMLNORMLscalar*VisualNORMLNORMLscalar*VisualNORMLNORMLscalar*Visual>0.2NEGscalar*VisualNEGNEGRTIESmethodlimit/basecurrent	scalar*VisualNONENONENONEscalar*VisualNONENONENONEscalar*VisualNONENONENONEscalar*VisualNONENONENONEscalar*VisualNONENONENONEscalar*VisualNONENONENONEscalar*VisualNORMLNORMLNORMLscalar*VisualNORMLNORMLNORMLscalar*Visual>0.2NEGNEGscalar*VisualNEGNEGNEGRTIESmethodlimit/basecurrenthistory1



Contact/Location: James Jarrett - GFL820