

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Component Diesel Engine

Fluid PETRO CANADA DURON SHP 15W40 (28 QTS)

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.

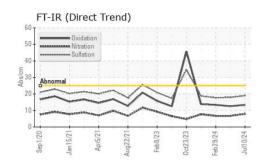
Fluid Condition

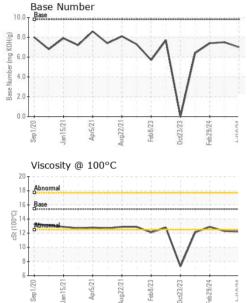
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sample NumberClient InfoGFL0116833GFL0116792GFL01093Sample DateClient Info10 Jul 202404 Apr 202429 Feb 2Machine AgehrsClient Info795577737651Oil AgehrsClient Info376935873465Oil ChangedClient InfoN/AN/AN/ASample StatusNORMALNORMALNORMALNORMAL	
Machine Age hrs Client Info 7955 7773 7651 Oil Age hrs Client Info 3769 3587 3465 Oil Changed Client Info N/A N/A N/A	004
Oil Age hrs Client Info 3769 3587 3465 Oil Changed Client Info N/A N/A N/A	024
Oil Changed Client Info N/A N/A N/A	
5	
Sample Status NORMAL NORMAL NORMAL	
	-
CONTAMINATION method limit/base current history1 histor	ry2
Fuel WC Method >5 <1.0	
Water WC Method >0.2 NEG NEG NEG	
Glycol WC Method NEG NEG NEG	
WEAR METALS method limit/base current history1 histor	ry2
Iron ppm ASTM D5185m >100 18 14 5	
Chromium ppm ASTM D5185m >20 0 0 <1	
Nickel ppm ASTM D5185m >4 0 0 0	
Titanium ppm ASTM D5185m 0 <1	
Silver ppm ASTM D5185m >3 0 0 0	
Aluminum ppm ASTM D5185m >20 5 4 4	
Lead ppm ASTM D5185m >40 0 0	
Copper ppm ASTM D5185m >330 <1	
Tin ppm ASTM D5185m >15 0 <1 0	
Vanadium ppm ASTM D5185m 0 <1	
Cadmium ppm ASTM D5185m 0 0 0	
ADDITIVES method limit/base current history1 histor	ry2
Boron ppm ASTM D5185m 0 4 12 11	
Barium ppm ASTM D5185m 0 0 0 0 0	
Molybdenum ppm ASTM D5185m 60 60 59 55	
Manganese ppm ASTM D5185m 0 <1 <1 0	
Magnesium ppm ASTM D5185m 1010 806 772 755	
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Magnesium ppm ASTM D5185m 1010 806 772 755 Calcium ppm ASTM D5185m 1070 1183 1105 1118	
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Magnesium ppm ASTM D5185m 1010 806 772 755 Calcium ppm ASTM D5185m 1070 1183 1105 1118 Phosphorus ppm ASTM D5185m 1070 1183 1105 1118 Phosphorus ppm ASTM D5185m 1150 989 921 771 Zinc ppm ASTM D5185m 1270 1139 1079 1128 Sulfur ppm ASTM D5185m 2060 3243 3037 3030 CONTAMINANTS method limit/base current history1 history Silicon ppm ASTM D5185m >25 4 3 2 Sodium ppm ASTM D5185m >20 2 0 4 Potassium ppm ASTM D5185m >20 2 0 6 INFRA-RED method limit/base current history1 history1 Soot % % *ASTM D7844	ry2



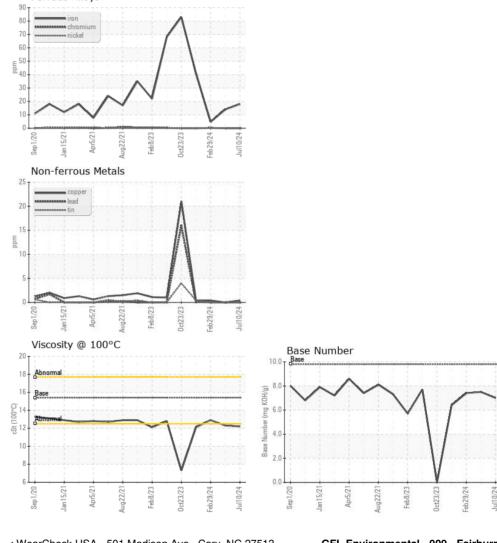
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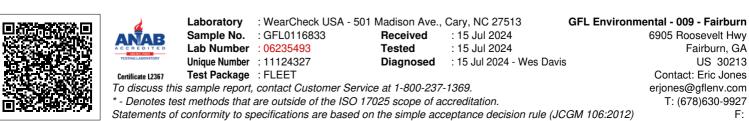




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	12.2	12.3	12.9
GRAPHS						

Ferrous Alloys





Submitted By: Eric Jones Page 2 of 2

Fairburn, GA US 30213

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