

OIL ANALYSIS REPORT

Sample Rating Trend





DIAGNOSIS

Recommendation

Contamination

Fluid Condition

Wear

oil.

Resample at the next service interval to monitor.

There is no indication of any contamination in the

alkalinity remaining in the oil. The condition of the

The BN result indicates that there is suitable

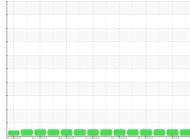
All component wear rates are normal.

oil is suitable for further service.

Machine Ic 713015

Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (8 GAL)





SAMPLE INFORMATION method GFL0098683 GFL0098710 GFL0098730 Sample Number **Client Info** 23 Feb 2024 08 Jan 2024 08 Jan 2024 Sample Date Client Info Machine Age hrs **Client Info** 3426 3982 43164 Oil Age hrs Client Info 150 150 150 Oil Changed **Client Info** Not Changd Not Changd Not Changd NORMAL NORMAL Sample Status NORMAL CONTAMINATION Fuel WC Method >3.0 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Glycol WC Method NEG NEG NEG WEAR METALS >120 22 10 6 Iron ppm ASTM D5185m Chromium ASTM D5185m >20 1 <1 ppm <1 6 3 Nickel >5 ppm ASTM D5185m 1 Titanium ppm ASTM D5185m >2 <1 0 <1 Silver ASTM D5185m >2 0 0 0 ppm 3 Aluminum ASTM D5185m >20 1 2 ppm 0 Lead ASTM D5185m >40 <1 0 ppm ASTM D5185m >330 Copper ppm 1 1 <1 2 1 Tin ppm ASTM D5185m >15 <1 Vanadium ppm ASTM D5185m 0 0 0 Cadmium 0 0 ASTM D5185m <1 ppm ADDITIVES 2 Boron ppm ASTM D5185m 0 2 <1 Barium ASTM D5185m 0 0 0 0 ppm 86 58 52 Molybdenum ASTM D5185m 60 ppm Manganese ASTM D5185m 0 <1 <1 ppm 1 979 Magnesium ppm ASTM D5185m 1010 1382 860 1402 Calcium ASTM D5185m 1070 1029 929 mag

Gaiolann	ppin	AOTHI DOTOOIII	1070	1402	1020	020
Phosphorus	ppm	ASTM D5185m	1150	1355	1013	976
Zinc	ppm	ASTM D5185m	1270	1774	1265	1104
Sulfur	ppm	ASTM D5185m	2060	4249	3107	3138
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	3	3
Sodium	ppm	ASTM D5185m		8	3	<1
Potassium	ppm	ASTM D5185m	>20	2	1	2
INFRA-RED		method	limit/base	current	history1	history2
INFRA-RED Soot %	%	method *ASTM D7844	limit/base	current 0.5	history1 0.4	history2 0.2
			>4		,	,
Soot %	%	*ASTM D7844	>4	0.5	0.4	0.2
Soot % Nitration	% Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>4 >20	0.5 8.4	0.4 7.3	0.2 5.8

7.5

16.0 Oxidation Abs/.1mm *ASTM D7414 >25

Base Number (BN) mg KOH/g ASTM D2896 9.8

15.2

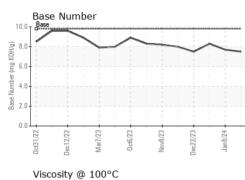
7.7

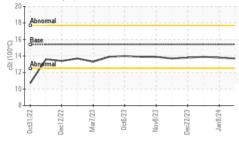
14.2

8.3

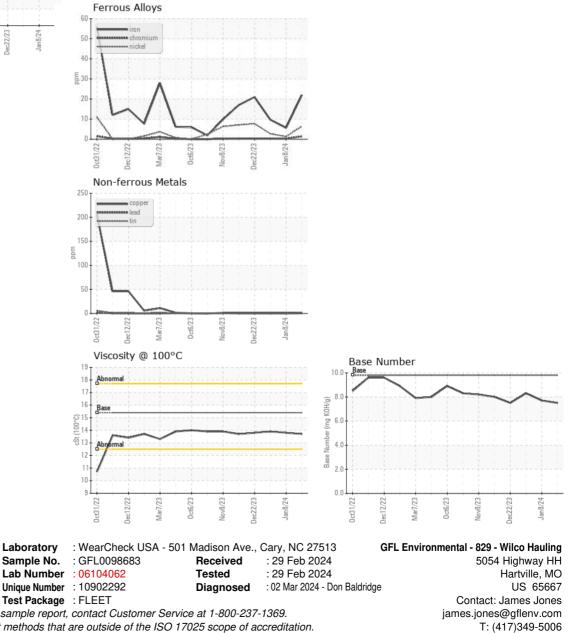


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	13.7	13.8	13.9
GRAPHS						





Test Package : FLEET Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: Jerry Hazel

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