

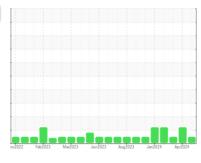
OIL ANALYSIS REPORT

(62A0X10) ALEXANDER CITY 711006

Component

Diesel Engine

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



Sample Rating Trend



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

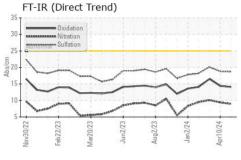
Fluid Condition

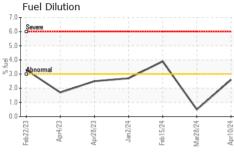
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

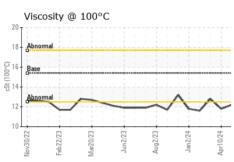
SAMPLE INFORMATION method limit/base current history1 history1 Sample Number Client Info GFL0079728 GFL0079737 GFL0088 Sample Date Client Info 09 May 2024 10 Apr 2024 28 Mar 2 Machine Age hrs Client Info 6324 6197 6197	
Sample Date Client Info 09 May 2024 10 Apr 2024 28 Mar 2	лу∠
	9930
Machine Age hrs Client Info 6324 6197 6197	2024
Oil Age hrs Client Info 1882 6197 1755	
Oil Changed Client Info N/A N/A N/A	
Sample Status NORMAL ABNORMAL NORMA	L
CONTAMINATION method limit/base current history1 history1	ory2
Water WC Method >0.2 NEG NEG NEG	
Glycol WC Method NEG NEG NEG	
WEAR METALS method limit/base current history1 histo	ory2
Iron ppm ASTM D5185m >90 32 36 10	
Chromium ppm ASTM D5185m >20 <1	
Nickel ppm ASTM D5185m >2 <1 <1 1	
Titanium ppm ASTM D5185m >2 <1	
Silver ppm ASTM D5185m >2 <1 0	
Aluminum ppm ASTM D5185m >20 6 6	
Lead ppm ASTM D5185m >40 0 0	
Copper ppm ASTM D5185m >330 2 2 7	
Tin ppm ASTM D5185m >15 <1 <1 0	
Vanadium ppm ASTM D5185m <1 <1 0	
Cadmium ppm ASTM D5185m <1	
ADDITIVES method limit/base current history1 history1	ory2
Boron ppm ASTM D5185m 0 10 9 2	
Boron ppm ASTM D5185m 0 10 9 2 Barium ppm ASTM D5185m 0 0 0 0	
Barium ppm ASTM D5185m 0 0 0 0	
Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 60 61 60 63	
Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 60 61 60 63 Manganese ppm ASTM D5185m 0 <1	
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Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 60 61 60 63 Manganese ppm ASTM D5185m 0 <1 <1 0 Magnesium ppm ASTM D5185m 1010 821 827 944 Calcium ppm ASTM D5185m 1070 1022 1056 1158 Phosphorus ppm ASTM D5185m 1150 970 945 965	
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Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 60 61 60 63 Manganese ppm ASTM D5185m 0 <1 <1 0 Magnesium ppm ASTM D5185m 1010 821 827 944 Calcium ppm ASTM D5185m 1070 1022 1056 1158 Phosphorus ppm ASTM D5185m 1150 970 945 965 Zinc ppm ASTM D5185m 1270 1150 1102 1239 Sulfur ppm ASTM D5185m 2060 3028 3274 3613	pry2
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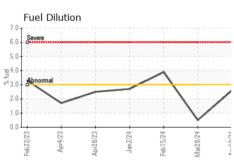


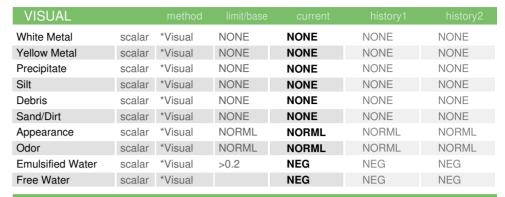
OIL ANALYSIS REPORT





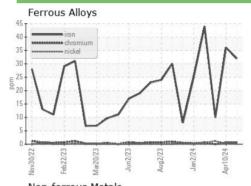


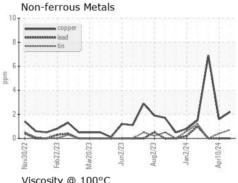


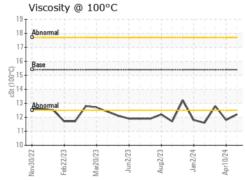


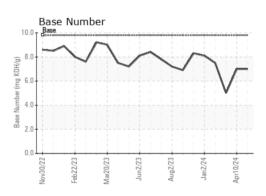
FLUID PROPI	ERHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	12.2	▲ 11.8	12.8

GRAPHS













Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06178552

: GFL0079728 Unique Number : 11029878

Test Package : FLEET (Additional Tests: FuelDilution)

Received **Tested** Diagnosed

: 14 May 2024 : 15 May 2024

: 16 May 2024 - Sean Felton

GFL Environmental - 172 - Montgomery-Alexander City-Tallahassee Multiple Sites Montgomery, AL US 36108 Contact: Lisa Reeves

To discuss this sample report, contact Customer Service at 1-800-237-1369. lisa.reeves@gflenv.com st - 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)

Report Id: GFL172 [WUSCAR] 06178552 (Generated: 05/16/2024 12:09:34) Rev: 1

Submitted By: Lisa Reeves

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