

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id

946016-260297

Component Natural Gas Engine

Fluid PETRO CANADA DURON GEO LD 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.

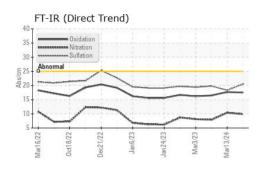
Fluid Condition

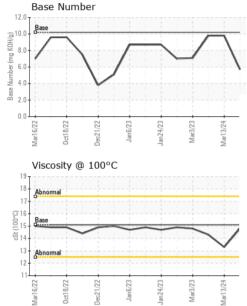
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sample Number Client Info GFL0121751 GFL0106810 GF	history2
	L0084729
Sample Date Client Info 01 Jul 2024 13 Mar 2024 16	Jun 2023
Machine Age hrs Client Info 7153 6574 12	2905
Oil Age hrs Client Info 600 600 0	
Oil Changed Client Info Changed Changed Ch	anged
Sample Status NORMAL NORMAL NORMAL NO	ORMAL
CONTAMINATION method limit/base current history1	history2
Water WC Method >0.1 NEG NEG	NEG
WEAR METALS method limit/base current history1	history2
Iron ppm ASTM D5185m >50 27 37	10
Chromium ppm ASTM D5185m >4 <1	<1
Nickel ppm ASTM D5185m >2 0 0	0
the second	0
Silver ppm ASTM D5185m >3 <1	0
Aluminum ppm ASTM D5185m >9 2 1	1
Lead ppm ASTM D5185m >30 0 0	<1
Copper ppm ASTM D5185m >35 9 20	10
Tin ppm ASTM D5185m >4 0 0	0
Vanadium ppm ASTM D5185m <1	0
······································	0
ADDITIVES method limit/base current history1	history2
	39
Barium ppm ASTM D5185m 5 0 0	10
Molybdenum ppm ASTM D5185m 50 53 50	46
Manganese ppm ASTM D5185m 0 1 <1	46 3
Manganese ppm ASTM D5185m 0 1 <1	46 3 793
Manganese ppm ASTM D5185m 0 1 <1	46 3 793 1265
Manganese ppm ASTM D5185m 0 1 <1	46 3 793 1265 745
Manganese ppm ASTM D5185m 0 1 <1	46 3 793 1265 745 911
Manganese ppm ASTM D5185m 0 1 <1	46 3 793 1265 745 911 2867
Manganese ppm ASTM D5185m 0 1 <1	46 3 793 1265 745 911 2867 history2
Manganese ppm ASTM D5185m 0 1 <1	46 3 793 1265 745 911 2867
Manganese ppm ASTM D5185m 0 1 <1	46 3 793 1265 745 911 2867 history2
Manganese ppm ASTM D5185m 0 1 <1	46 3 793 1265 745 911 2867 history2 16
Manganese ppm ASTM D5185m 0 1 <1	46 3 793 1265 745 911 2867 history2 16 6 1 history2
Manganese ppm ASTM D5185m 0 1 <1	46 3 793 1265 745 911 2867 history2 16 6 1 1 history2 0.1
Manganese ppm ASTM D5185m 0 1 <1	46 3 793 1265 745 911 2867 history2 16 6 1 history2
Manganese ppm ASTM D5185m 0 1 <1	46 3 793 1265 745 911 2867 history2 16 6 1 1 history2 0.1
Manganese ppm ASTM D5185m 0 1 <1	46 3 793 1265 745 911 2867 history2 16 6 1 1 history2 0.1 7.9
Manganese ppm ASTM D5185m 0 1 <1	46 3 793 1265 745 911 2867 history2 16 6 1 history2 0.1 7.9 19.8



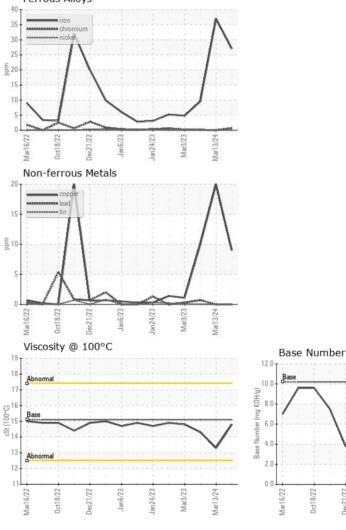
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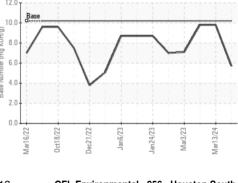




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	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	15.1	14.8	13.3	14.3
GRAPHS						

Ferrous Alloys





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 GFL Environmental - 856 - Houston South Sample No. : GFL0121751 Received : 05 Jul 2024 8515 Highway 6 South Lab Number : 06228393 Tested : 08 Jul 2024 Houston, TX Unique Number : 11111886 Diagnosed : 08 Jul 2024 - Wes Davis US 77083 Test Package : FLEET Contact: Apolinar Zacarias Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. pzacariascano@gflenv.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: GFL856 [WUSCAR] 06228393 (Generated: 07/09/2024 08:37:58) Rev: 1

Submitted By: Apolinar Zacarias Page 2 of 2