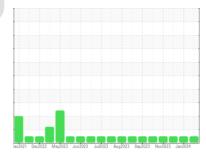


OIL ANALYSIS REPORT

Sample Rating Trend





NORMAL

	SAMPLE INFORM	/ ATION	method	limit/base	current	history1	history2
	Sample Number		Client Info		GFL0110905	GFL0082629	GFL0103025
o monitor.	Sample Date		Client Info		27 Jan 2024	03 Jan 2024	05 Dec 2023
	Machine Age	hrs	Client Info		6169	6023	5807
	Oil Age	hrs	Client Info		146	216	182
	Oil Changed		Client Info		Changed	Changed	Changed
tion in the	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINATI	ON	method	limit/base	current	history1	history2
able	Fuel		WC Method	>5	<1.0	<1.0	<1.0
ion of the	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	WEAR METALS	S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>100	20	13	4
	Chromium	ppm	ASTM D5185m		<1	<1	0
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m	- T	0	0	0
	Silver		ASTM D5185m	. 2	0	0	0
	Aluminum	ppm	ASTM D5185m		11	6	4
		ppm					
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		5	<1	0
	Tin	ppm	ASTM D5185m	>15	<1	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		1	0	2
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	57	58	55
	Manganese	ppm	ASTM D5185m	0	<1	0	0
	Magnesium	ppm	ASTM D5185m	1010	894	963	1015
	Calcium	ppm	ASTM D5185m	1070	982	1050	1106
	Phosphorus	ppm	ASTM D5185m	1150	1027	1083	1135
	Zinc	ppm	ASTM D5185m	1270	1162	1243	1253
	Sulfur	ppm	ASTM D5185m	2060	2917	3415	3466
	CONTAMINAN	TS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	6	4	4
	Sodium	ppm	ASTM D5185m		6	4	1
	Potassium	ppm	ASTM D5185m	>20	13	8	5
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	0.8	0.6	0.3
	Nitration	Abs/cm	*ASTM D7624		8.7	7.5	6.0
	Sulfation	Abs/.1mm	*ASTM D7415		19.5	19.0	18.3
	FLUID DEGRAD	AT <u>ION</u>	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.9	14.2	14.7
	Base Number (BN)	mg KOH/g			7.9	8.1	8.5
	Dase Nulliber (DN)	ing KOH/g	AG HVI D2030	5.0	1.9	0.1	0.0

Machine Id 811044

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

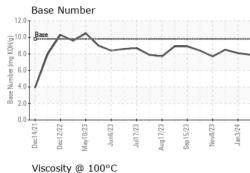
There is no indication of any contamination in the oil.

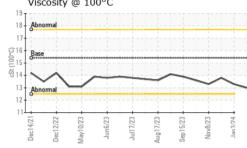
Fluid Condition

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

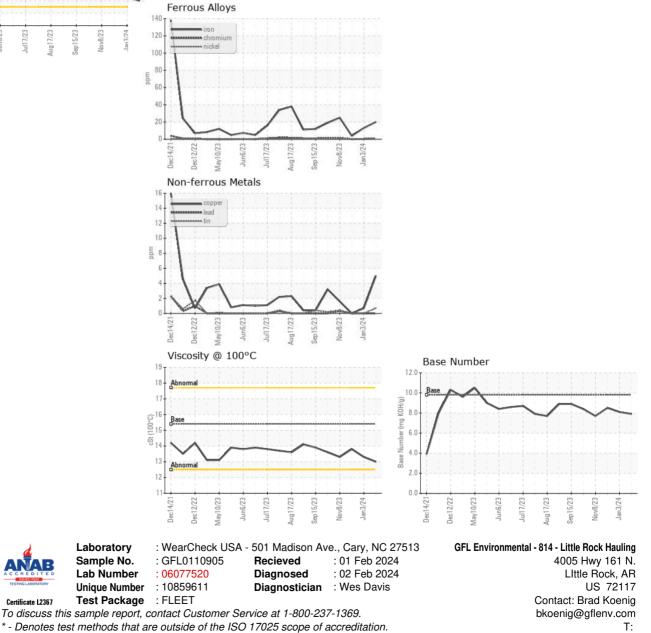


OIL ANALYSIS REPORT





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	13.0	13.3	13.8
GRAPHS						



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



Report Id: GFL814 [WUSCAR] 06077520 (Generated: 02/02/2024 14:46:07) Rev: 1

Certificate L2367

Submitted By: Nicole Walls Page 2 of 2

F: