

OIL ANALYSIS REPORT

Sample Rating Trend



GFL0101493

17 Nov 2023

NORMAL

14.4

8.5



Machine Id 712038 Component

Fluid

Diesel Engine

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

			0012022	DIGEOZZ WIBIZOZJ	1072023 1072023	1002021	
	SAMPLE INFORM	ATION	method	limit/base	current	history1	histo
	Sample Number		Client Info		GFL0108967	GFL0089087	GFL0101
al to monitor.	Sample Date		Client Info		29 Feb 2024	22 Nov 2023	17 Nov 2
	Machine Age	nrs	Client Info		7093	6588	6202
al.	Oil Age	nrs	Client Info		6588	2600	0
	Oil Changed		Client Info		Changed	Changed	N/A
nination in the	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINATIC	N	method	limit/base	current	history1	histo
suitable	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
ondition of the	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	WEAR METALS		method	limit/base	current	history1	histo
	Iron	opm	ASTM D5185m	>90	22	6	6
		opm	ASTM D5185m	>20	<1	<1	<1
		opm	ASTM D5185m	>2	0	<1	<1
		opm	ASTM D5185m	>2	0	0	<1
	Silver	opm	ASTM D5185m	>2	0	0	0
	Aluminum	opm	ASTM D5185m	>20	4	2	2
	Lead	opm	ASTM D5185m	>40	0	0	<1
	Copper p	opm	ASTM D5185m	>330	2	0	<1
	Tin 🛛	opm	ASTM D5185m	>15	0	<1	0
	Vanadium p	opm	ASTM D5185m		<1	0	0
	Cadmium p	opm	ASTM D5185m		0	0	<1
	ADDITIVES		method	limit/base	current	history1	histo
	Boron	opm	ASTM D5185m	0	8	2	<1
	Barium	opm	ASTM D5185m	0	0	0	9
	Molybdenum	opm	ASTM D5185m	60	64	55	59
	Manganese	opm	ASTM D5185m	0	<1	<1	<1
	Magnesium p	opm	ASTM D5185m	1010	978	912	876
	Calcium #	opm	ASTM D5185m	1070	1133	1045	1073
	Phosphorus p	opm	ASTM D5185m	1150	1058	1102	1012
		opm	ASTM D5185m	1270	1249	1265	1181
	Sulfur ß	opm	ASTM D5185m	2060	2964	3008	3298
	CONTAMINANT	S	method	limit/base	current	history1	histo
	Silicon	opm	ASTM D5185m	>25	4	2	3
	Sodium ß	opm	ASTM D5185m		5	5	<1
	Potassium F	opm	ASTM D5185m	>20	1	2	2
	INFRA-RED		method	limit/base	current	history1	histo
	Soot %	%	*ASTM D7844	>6	0.9	0.4	0.2
	Nitration /	Abs/cm	*ASTM D7624	>20	10.8	8.3	6.2
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.4	19.7	18.5

FLUID DEGRADATION method

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

Abs/.1mm *ASTM D7414 >25

19.8

6.3

Oxidation

DIAGNOSIS Recommendation

Resample at the next service interva

Wear

All component wear rates are normal

Contamination

There is no indication of any contami oil.

Fluid Condition

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

16.2

8.1



OIL ANALYSIS REPORT

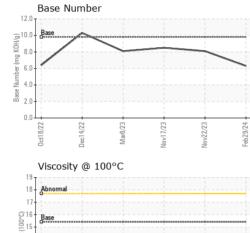
scalar

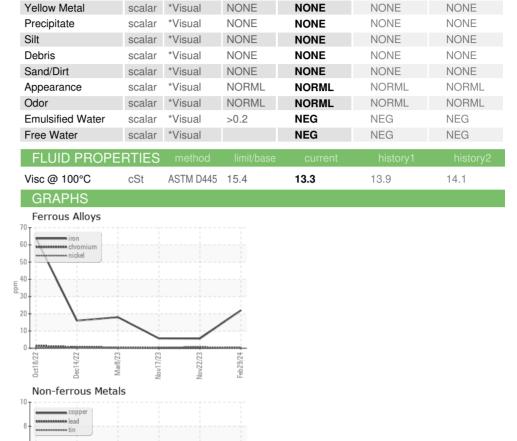
*Visual

NONE

VISUAL

White Metal

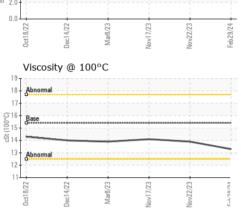


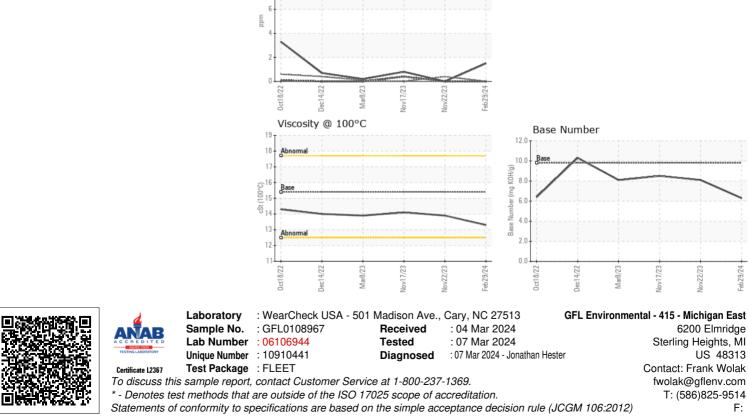


NONE

NONE

NONE





Feb29/24

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