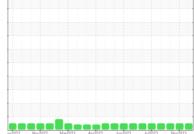


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL





N 311F 13W40 (ug2022 No	v2022 Mar2023 Ap	or2023 Jun2023 Jul2023	Nov2023	
	SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
	Sample Number		Client Info		GFL0098443	GFL0098453	GFL0078693
terval to monitor.	Sample Date		Client Info		05 Dec 2023	07 Nov 2023	14 Sep 2023
	Machine Age	nrs	Client Info		7770	7634	7365
ormal.	Oil Age h	nrs	Client Info		775	639	0
	Oil Changed		Client Info		N/A	N/A	N/A
tamination in the	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINATIC	N	method	limit/base	current	history1	history2
e is suitable	Fuel		WC Method	>5	<1.0	<1.0	<1.0
e condition of the	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	WEAR METALS		method	limit/base	current	history1	history2
	lron p	pm	ASTM D5185m	>100	3	3	8
	Chromium p	pm	ASTM D5185m	>20	0	<1	<1
		opm	ASTM D5185m	>4	0	0	0
		pm	ASTM D5185m		0	0	<1
		pm	ASTM D5185m	>3	0	<1	0
		pm	ASTM D5185m	>20	<1	2	2
		pm	ASTM D5185m		0	<1	0
		pm	ASTM D5185m		0	<1	<1
		pm	ASTM D5185m		0	0	<1
		pm	ASTM D5185m	210	0	0	<1
		pm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
		pm	ASTM D5185m		87	107	7
		pm	ASTM D5185m		0	6	0
		pm	ASTM D5185m	60	62	74	62
		pm	ASTM D5185m		0	0	<1
	-		ASTM D5185m	1010	833	789	1051
		opm	ASTM D5185m				1218
		pm			870	1106	
		opm	ASTM D5185m	1150	861	941	1061
		opm	ASTM D5185m ASTM D5185m	1270 2060	945 2780	1059 3045	1344 3870
	· · · ·	opm				history1	history2
	CONTAMINANT			limit/base	current		
		opm	ASTM D5185m	>20	3	4	3
		pm	ASTM D5185m	00	1	0	5
		pm	ASTM D5185m		0	2	4
	INFRA-RED		method	limit/base	current	history1	history2
		6	*ASTM D7844	>3	0.4	0.3	0.6
		Abs/cm	*ASTM D7624		6.0	5.2	7.0
	Sulfation A	lbs/.1mm	*ASTM D7415	>30	19.3	19.0	18.9
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Oxidation A	lbs/.1mm	*ASTM D7414	>25	14.2	13.5	13.6
	Base Number (BN)	ng KOH/g	ASTM D2896	9.8	8.6	9.1	8.3
	,						

Machine Id 910093

Component **Diesel Engine** Fluid

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

DIAGNOSIS

Recommendation

Resample at the next service i

Wear

All component wear rates are r

Contamination

There is no indication of any co oil.

Fluid Condition

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



Ab

Aug23/22

1/22

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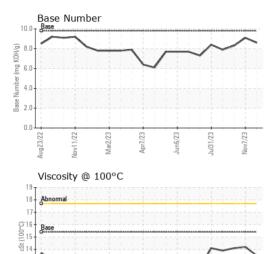
Mar2/73

173 aug

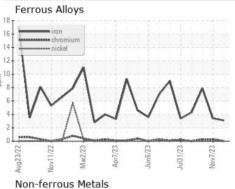
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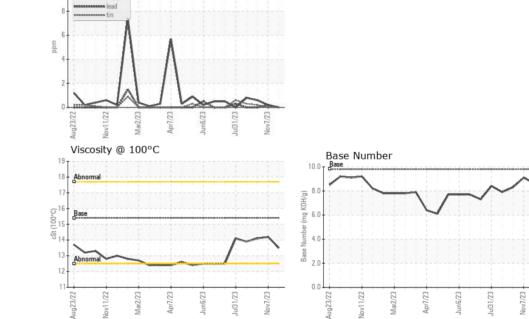
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OIL ANALYSIS REPORT

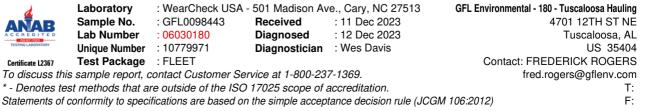


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	13.5	14.2	14.1
GRAPHS						









Certificate L2367

Laboratory

Sample No.

Lab Number

Unique Number : 10779971

Test Package : FLEET

: GFL0098443

: 06030180

Received

Diagnosed