

OIL ANALYSIS REPORT

Sample Rating Trend



Area (43334HA) 826020-1021 Diesel Engine Fluid

	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
	Sample Number		Client Info		GFL0111880	GFL0108271	GFL0108316
terval to monitor.	Sample Date		Client Info		16 Apr 2024	05 Feb 2024	29 Jan 2024
	Machine Age	hrs	Client Info		21680	21342	21310
rmal.	Oil Age	hrs	Client Info		338	13090	13363
	Oil Changed		Client Info		Not Changd	Changed	Not Changd
mination in the	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINAT	ION	method	limit/base	current	history1	history2
e is suitable condition of the	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	WEAR METAL	S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>120	28	31	31
	Chromium	ppm	ASTM D5185m	>20	1	<1	<1
	Nickel	ppm	ASTM D5185m		2	<1	<1
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m		4	2	2
	Lead	ppm	ASTM D5185m		1	0	0
	Copper	ppm	ASTM D5185m		1	<1	<1
	Tin	ppm	ASTM D5185m		1	<1	<1
	Vanadium	ppm	ASTM D5185m	210	<1	0	0
	Cadmium	ppm	ASTM D5185m		1	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		27	13	10
	Barium	ppm	ASTM D5185m		0	0	<1
	Molybdenum	ppm	ASTM D5185m		82	57	63
	Manganese	ppm	ASTM D5185m		1	<1	<1
	Magnesium	ppm	ASTM D5185m	1010	1283	866	883
	Calcium	ppm		1070	1584	1005	1130
	Phosphorus	ppm	ASTM D5185m	1150	1583	1005	971
	Zinc	ppm	ASTM D5185m	1270	1743	1209	1223
	Sulfur	ppm	ASTM D5185m	2060	5221	2895	3020
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	7	4	4
	Sodium	ppm	ASTM D5185m		3	<1	0
	Potassium	ppm	ASTM D5185m	>20	2	<1	2
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.4	2	1.8
	Nitration	Abs/cm	*ASTM D7624	>20	6.5	9.3	8.9
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	22.7	19.1
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	13.8	14.3	12.7

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

DIAGNOSIS

Recommendation

Resample at the next service i

Wear

All component wear rates are

Contamination

There is no indication of any co oil.

Fluid Condition

The BN result indicates that the alkalinity remaining in the oil. 7 oil is suitable for further service

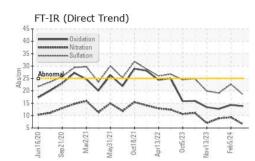
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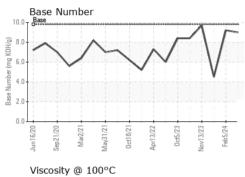
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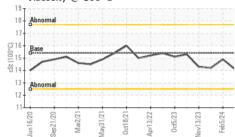
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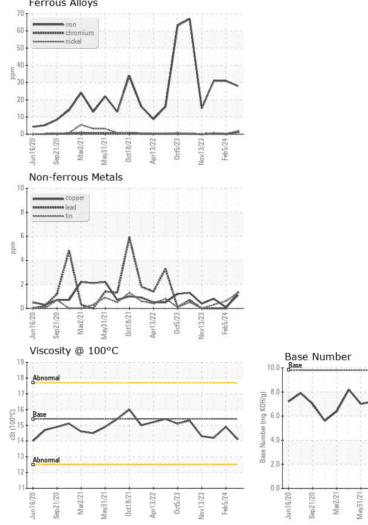


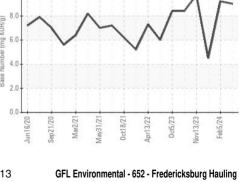


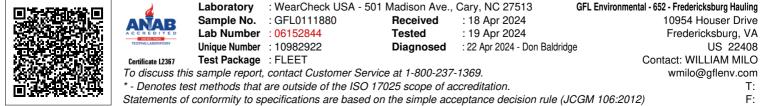


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	14.1	14.9	14.2
GRAPHS						

Ferrous Alloys







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