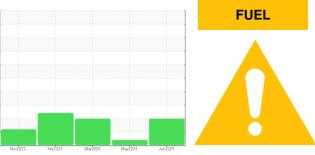


OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend

limit/base



current

history1

history2

Machine Id 98217 Component Diesel Engine Fluid 10W30 SYN (--- GAL)

DIAGNOSIS

A Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring.

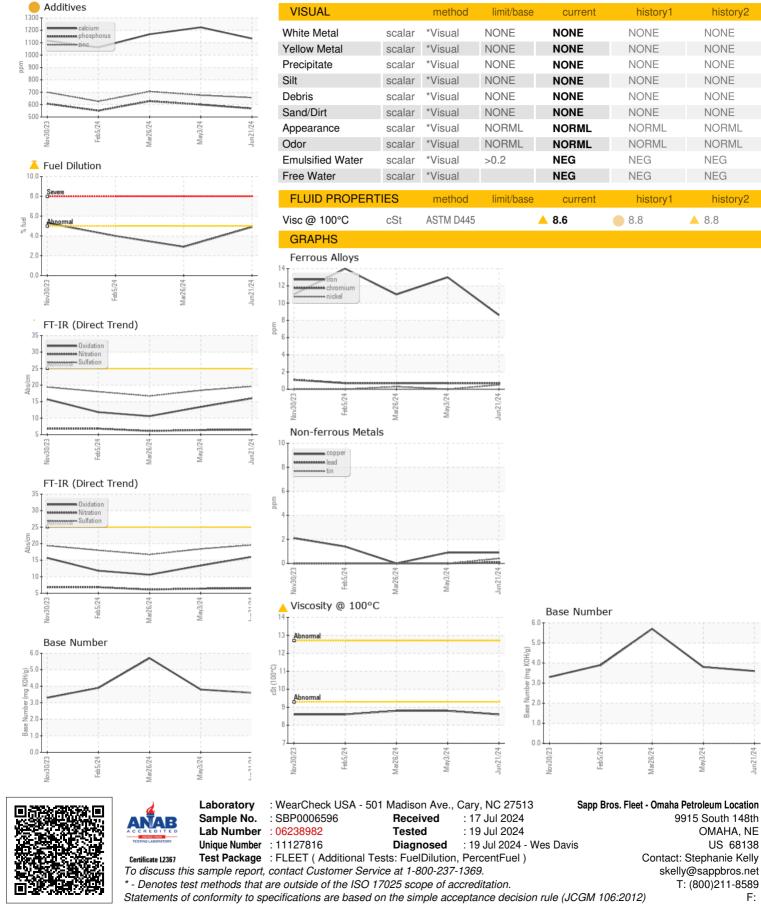
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.

	ATION	methou	IIIIIVDase	current	Thistory I	TIStory2
Sample Number		Client Info		SBP0006596	SBP0006597	SBP0006594
Sample Date		Client Info		21 Jun 2024	03 May 2024	26 Mar 2024
Machine Age	mls	Client Info		109050	102209	95362
Oil Age	mls	Client Info		6841	6847	6300
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
		and the set	P 9 //		In the term of the	la la tana 0
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	9	13	11
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	3	1	2
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	<1	<1	0
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		22	9	31
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		53	52	49
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		343	383	384
Calcium	ppm	ASTM D5185m		1133	1224	1168
Phosphorus	ppm	ASTM D5185m		e 569	600	628
Zinc	ppm	ASTM D5185m		656	676	706
Sulfur	ppm	ASTM D5185m		2122	2448	2535
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	3	9
Sodium	ppm	ASTM D5185m		0	4	1
Potassium	ppm	ASTM D5185m	>20	2	1	2
Fuel	%	ASTM D3524	>5	<u> </u>	<1.0	2 .9
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.3
Nitration	Abs/cm	*ASTM D7624		6.5	6.4	6.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6	18.4	16.7
FLUID DEGRADA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.0	13.4	10.6
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Base Number (BN)	mg KOH/g	ASTM D2896		3.6	3.8	5.70



OIL ANALYSIS REPORT



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Submitted By: Joshua Kenney

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