

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

BELLOWS ST Component Natural Gas Engine Fluid

{not provided} (--- 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.

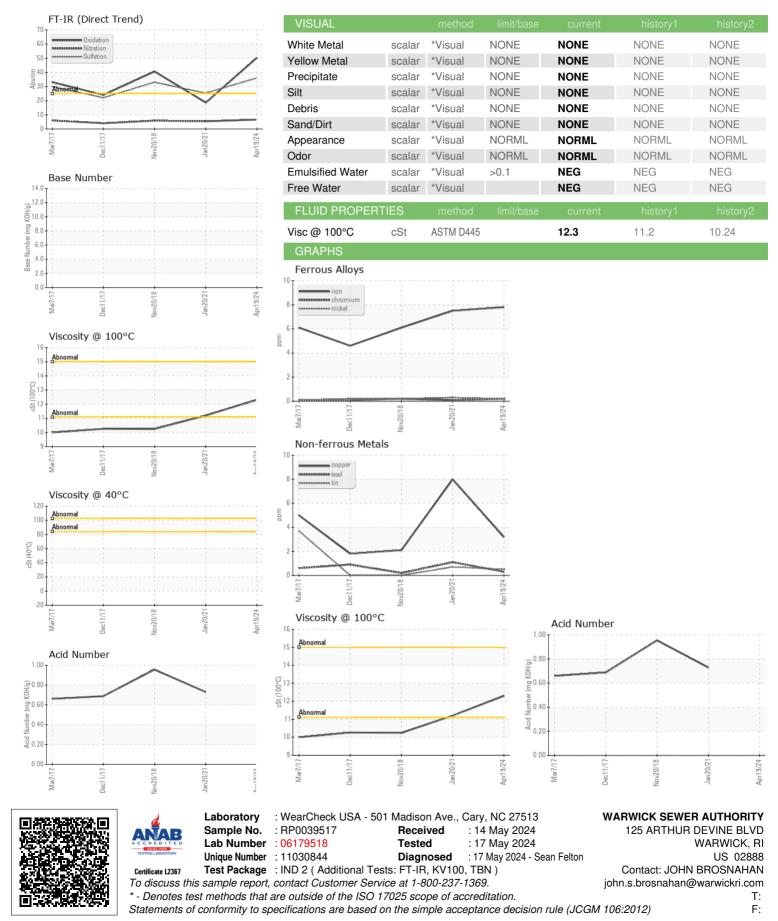
Fluid Condition

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0039517	RP0016532	RP203752
Sample Date		Client Info		19 Apr 2024	20 Jan 2021	20 Nov 2018
Machine Age	hrs	Client Info		69	60	53
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	8	8	6
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	3	6	1
Lead	ppm	ASTM D5185m	>30	<1	1	<1
Copper	ppm	ASTM D5185m	>35	3	8	2
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	18	51
Barium	ppm	ASTM D5185m		<1	0	<1
Molybdenum	ppm	ASTM D5185m		124	31	5
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		850	11	7
Calcium	ppm	ASTM D5185m		2912	2865	1607
Phosphorus	ppm	ASTM D5185m		309	536	594
Zinc	ppm	ASTM D5185m		331	542	385
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	17	11	19
Sodium	ppm	ASTM D5185m		<1	5	2
Potassium	ppm	ASTM D5185m	>20	4	2	0
Water	%	ASTM D6304	>0.1	NEG	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.6	5.4	5.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	36.0	25.3	33
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	50.3	18.6	40.6
Acid Number (AN)	mg KOH/g	ASTM D8045			0.729	0.954
Base Number (BN)	mg KOH/g	ASTM D2896		12.62		



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