

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

EMMONS (S/N GXH24096)

Component Natural Gas Engine Fluid

{not provided} (--- QTS)

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.

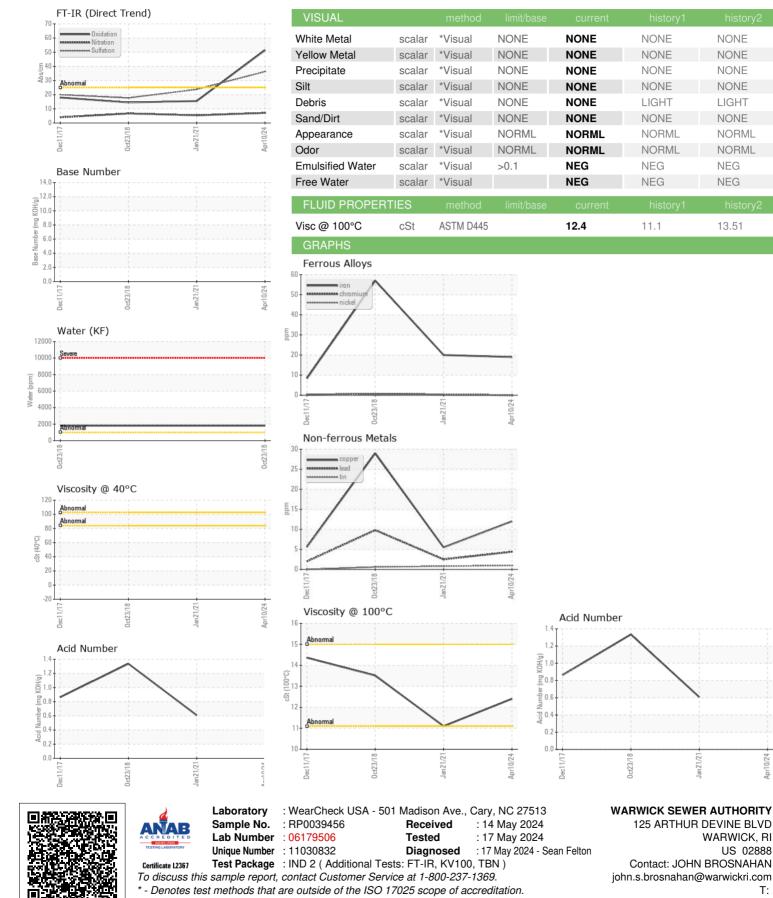
Fluid Condition

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	NATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0039456	RP0016534	RP203902
Sample Date		Client Info		10 Apr 2024	21 Jan 2021	23 Oct 2018
Machine Age	hrs	Client Info		60	46	41
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	19	20	57
Chromium	ppm	ASTM D5185m	>4	0	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	6	7	10
Lead	ppm	ASTM D5185m	>30	4	2	10
Copper	ppm	ASTM D5185m	>35	12	6	29
Tin	ppm	ASTM D5185m	>4	1	<1	<1
Antimony	ppm	ASTM D5185m			0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	1º Iº	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4	12	15
Barium	ppm	ASTM D5185m		<1	0	4
Molybdenum	ppm	ASTM D5185m		125	14	61
Manganese	ppm	ASTM D5185m		2	1	3
Magnesium	ppm	ASTM D5185m		- 892	82	960
Calcium	ppm	ASTM D5185m		2755	2969	1277
Phosphorus	ppm	ASTM D5185m		289	419	857
Zinc	ppm	ASTM D5185m		365	469	1071
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m	>+100	18	19	100
Sodium	ppm ppm	ASTM D5185m	>+100	5	6	21
Potassium		ASTM D5185m	>20	2	4	28
Water	ppm %	ASTM D5185III ASTM D6304		2 NEG	4 NEG	∠o 0.181
				-		
ppm Water	ppm	ASTM D6304				1810
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Soot % Nitration	Abs/cm	*ASTM D7844 *ASTM D7624	>20	0.1 7.1	0.1 5.4	0.1 6.7
Soot % Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7844		0.1	0.1	0.1
Soot % Nitration	Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624	>20	0.1 7.1	0.1 5.4	0.1 6.7
Soot % Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>20 >30	0.1 7.1 36.3	0.1 5.4 23.7	0.1 6.7 17.7
Soot % Nitration Sulfation FLUID DEGRADA	Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415 method	>20 >30 limit/base	0.1 7.1 36.3 current	0.1 5.4 23.7 history1	0.1 6.7 17.7 history2



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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Contact/Location: JOHN BROSNAHAN - WARWARRI

WARWICK, RI

US 02888

T:

F:

an21/21

NONE

NONE

NONE

NONE

LIGHT

NONE

NORML

NORML

NEG

NEG

13.51