

### **OIL ANALYSIS REPORT**

SAMPLE INFORMATION method

Sample Rating Trend



Machine Id

# A4350 - LOCKWOOD (S/N A5298-G367)

Natural Gas Engine Fluid

{not provided} (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

Metal levels are typical for a new component breaking in.

#### Contamination

There is no indication of any contamination in the oil.

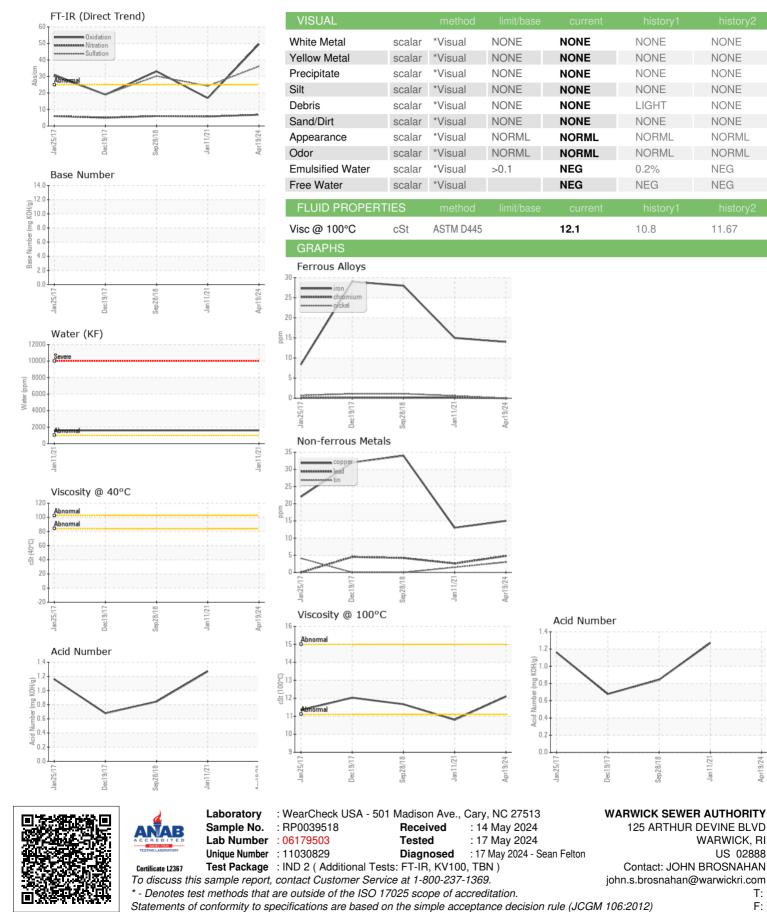
#### Fluid Condition

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

			11111/0430		Thistory I	matoryz
Sample Number		Client Info		RP0039518	RP0014807	RP203748
Sample Date		Client Info		19 Apr 2024	11 Jan 2021	28 Sep 2018
Machine Age	hrs	Client Info		247	234	225
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	14	15	28
Chromium	ppm	ASTM D5185m	>4	0	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>9	4	6	2
Lead	ppm	ASTM D5185m	>30	5	3	4
Copper	ppm	ASTM D5185m	>35	15	13	34
Tin	ppm	ASTM D5185m	>4	3	2	0
Antimony	ppm	ASTM D5185m			0	1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		11	12	31
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		119	18	34
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		809	12	12
Calcium	ppm	ASTM D5185m		2790	3059	2112
Phosphorus	ppm	ASTM D5185m		326	428	684
Zinc	ppm	ASTM D5185m		373	452	623
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	12	8	11
Sodium	ppm	ASTM D5185m		3	5	2
Potassium	ppm	ASTM D5185m	>20	1	<1	0
Water	%	ASTM D6304	>0.1	NEG	<b>0.160</b>	NEG
ppm Water	ppm	ASTM D6304	>1000		▲ 1600	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	6.8	5.7	6
Sulfation	Abs/.1mm	*ASTM D7415	>30	36.1	24.2	30.2
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	49.6	16.9	33.1
Acid Number (AN)	mg KOH/g	ASTM D8045			1.270	0.843
Base Number (BN)	mg KOH/g	ASTM D2896		12.16		



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Report Id: WARWARRI [WUSCAR] 06179503 (Generated: 05/17/2024 08:12:01) Rev: 1

Contact/Location: JOHN BROSNAHAN - WARWARRI

US 02888

T:

F:

pr19/24

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NEG

11.67