

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

BROOKWOOD (S/N GXB04175-OLY00000)

Natural Gas Engine

{not provided} (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

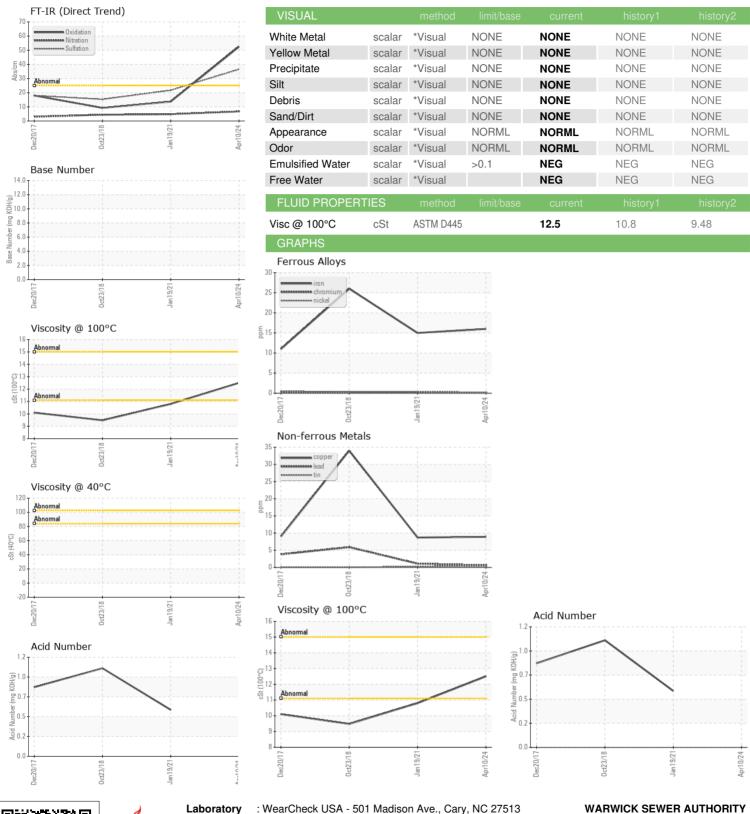
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Dec201	7 Oct2018	Jan2021 A	pr2024	
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0026038	RP0016528	RP203916
Sample Date		Client Info		10 Apr 2024	19 Jan 2021	23 Oct 2018
Machine Age	hrs	Client Info		39	11	7
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	16	15	26
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	4	6	3
Lead	ppm	ASTM D5185m	>30	<1	1	6
Copper	ppm	ASTM D5185m	>35	9	9	34
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Antimony	ppm	ASTM D5185m			0	1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		6	91	196
Barium	ppm	ASTM D5185m		<1	0	<1
Molybdenum	ppm	ASTM D5185m		131	21	67
Manganese	ppm	ASTM D5185m		1	2	4
Magnesium	ppm	ASTM D5185m		887	71	14
Calcium	ppm	ASTM D5185m		2847	2862	2116
Phosphorus	ppm	ASTM D5185m		303	503	678
Zinc	ppm	ASTM D5185m		343	551	691
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	16	37	70
Sodium	ppm	ASTM D5185m		<1	10	5
Potassium	ppm	ASTM D5185m	>20	3	3	9
Water	%	ASTM D6304	>0.1	NEG	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	6.7	4.8	4.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	36.5	21.7	15.3
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	52.4	13.7	9.2
Acid Number (AN)	mg KOH/g	ASTM D8045			0.562	1.066
Base Number (BN)	mg KOH/g	ASTM D2896		13.33		
(2.1)				•		



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Laboratory Sample No.

: RP0026038 Lab Number : 06179527

Unique Number : 11030853

Received : 14 May 2024

Tested Diagnosed

: 17 May 2024

: 17 May 2024 - Sean Felton

Test Package : IND 2 (Additional Tests: FT-IR, KV100, TBN)

Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

125 ARTHUR DEVINE BLVD WARWICK, RI US 02888

Contact: JOHN BROSNAHAN john.s.brosnahan@warwickri.com

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

Report Id: WARWARRI [WUSCAR] 06179527 (Generated: 05/17/2024 10:11:21) Rev: 1

Contact/Location: JOHN BROSNAHAN - WARWARRI

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