

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **GENERAC BERMUDA COMMONS**

Diesel Engine

SHELL ROTELLA T 15W40 (3 GAL)

## Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

## Contamination

There is no indication of any contamination in the

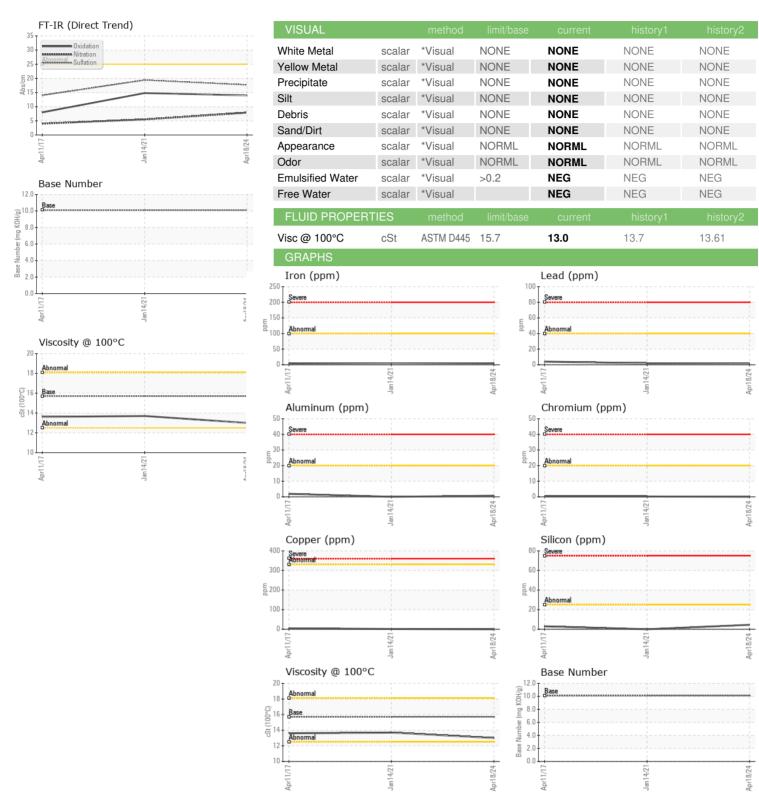
## **Fluid Condition**

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

		Ap	2017	Jan2021 Apr20	024	
CAMPLE INFORM	AATION		l:://		hinton d	la i a ta mu . O
SAMPLE INFORM	MATION	method	limit/base		history1	history2
Sample Number		Client Info		WC0887872	WC0436232	WCM1383406
Sample Date		Client Info		18 Apr 2024	14 Jan 2021	11 Apr 2017
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
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	5	3	5
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	<1	0	2
Lead	ppm	ASTM D5185m	>40	1	2	4
Copper	ppm	ASTM D5185m		0	1	5
Tin	ppm	ASTM D5185m	>15	0	<1	0
Antimony	ppm	ASTM D5185m			<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	316	74	84	6
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	1.2	88	54	62
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	24	70	566	951
Calcium	ppm	ASTM D5185m	2292	2405	1555	1123
Phosphorus	ppm	ASTM D5185m	1064	1127	1055	1070
Zinc	ppm	ASTM D5185m	1160	1362	1270	1254
Sulfur	ppm	ASTM D5185m	4996	4830	2966	2964
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	0	3
Sodium	ppm	ASTM D5185m		1	1	2
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	7.9	5.5	4.
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.7	19.4	14.
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	14.8	8.
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	6.9		
(211)	99					



## **OIL ANALYSIS REPORT**







Certificate 12367

Sample No.

Laboratory

: WC0887872 Lab Number : 06158765 Unique Number: 10994188

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Apr 2024 **Tested** : 25 Apr 2024

Diagnosed : 25 Apr 2024 - Wes Davis Test Package : MOB 1 ( Additional Tests: TBN )

Contact: TERRY SHEPPARD terry1pg@bellsouth.net; bill3pg@bellsouth.net T: (336)685-4859

PIEDMONT GENERATOR

7560 NC HWY 22 NORTH

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.

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

F: (336)685-5297

CLIMAX, NC

US 27233