

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# 5688 (S/N 1XKZDP9X5RJ301014)

Diesel Engine

SHELL ROTELLA T 15W40 (--- GAL)

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### 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

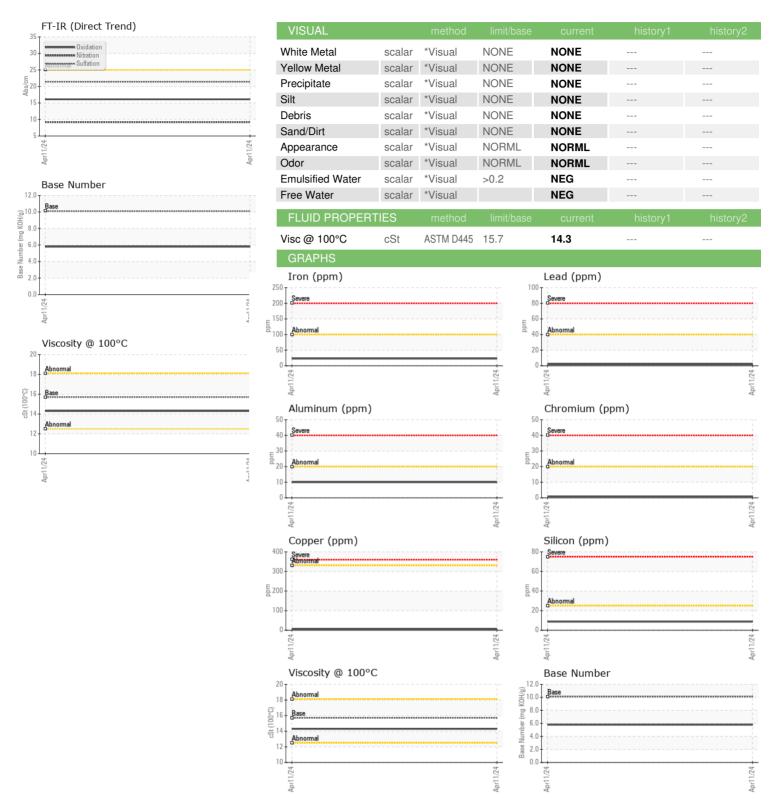
### **Fluid Condition**

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

				Apr2024		
SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
	717 (11014		mmbasc			motoryz
Sample Number		Client Info		WC0878856 11 Apr 2024		
Sample Date	mls	Client Info		28172		
Machine Age Oil Age	mls	Client Info		0		
Oil Changed	11115	Client Info		Changed		
Sample Status		Ciletit IIIIO		NORMAL		
•				NONWAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method		<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	23		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	10		
Lead	ppm	ASTM D5185m	>40	2		
Copper	ppm	ASTM D5185m	>330	5		
Tin	ppm	ASTM D5185m	>15	2		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	316	10		
Barium	ppm	ASTM D5185m	0.0	0		
Molybdenum	ppm	ASTM D5185m	1.2	28		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	24	339		
Calcium	ppm	ASTM D5185m	2292	2078		
Phosphorus	ppm	ASTM D5185m	1064	943		
Zinc	ppm	ASTM D5185m	1160	1100		
Sulfur	ppm	ASTM D5185m	4996	3723		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	9		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	26		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	9.2		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.4		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.1		
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	5.8		
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## **OIL ANALYSIS REPORT**







Certificate 12367

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06147979

: WC0878856 Unique Number: 10978057

Received **Tested** Diagnosed

: 15 Apr 2024 : 16 Apr 2024 - Don Baldridge Test Package : MOB 1 ( Additional Tests: TBN )

: 12 Apr 2024

To discuss this sample report, contact Customer Service at 1-800-237-1369.

US 28458 Contact: GREG JONES gregory.jones@houseofraeford.com

**JOHNSON BREEDERS** 

3425 HWY 117N

ROSE HILL, NC

T: (910)289-6884

\* - 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)