

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# IAD2-B-GEN-04 IAD2-B-GEN-04

Diesel Engine

**DIESEL ENGINE OIL SAE 15W40 (--- GAL)** 

### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Metal levels are typical for a new component breaking in.

## Contamination

There is no indication of any contamination in the

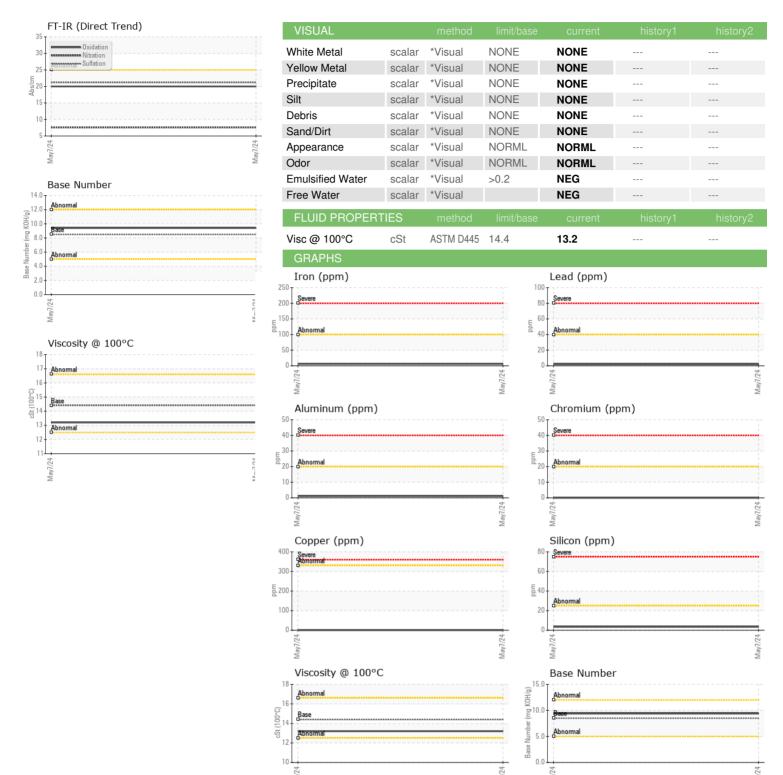
## **Fluid Condition**

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

				May2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0931679		
Sample Date		Client Info		07 May 2024		
Machine Age	hrs	Client Info		467		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	6		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>4	0		
Γitanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	1		
_ead	ppm	ASTM D5185m	>40	2		
Copper	ppm	ASTM D5185m	>330	<1		
- Tin	ppm	ASTM D5185m	>15	<1		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	57		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	42		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	450	636		
Calcium	ppm	ASTM D5185m	3000	1475		
Phosphorus	ppm	ASTM D5185m	1150	869		
Zinc	ppm	ASTM D5185m	1350	1028		
Sulfur	ppm	ASTM D5185m	4250	3258		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m	>158	4		
Potassium	ppm	ASTM D5185m	>20	<1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	7.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.0		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.4		



## **OIL ANALYSIS REPORT**







Certificate 12367

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0931679 Lab Number : 06193839

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

Unique Number : 11055962 Test Package : MOB 1 ( Additional Tests: TBN )

Received **Tested** Diagnosed

: 29 May 2024 : 30 May 2024

: 30 May 2024 - Wes Davis

RALEIGH, NC US 27616 Contact: Brandon Daniels Brandon.Daniels@natpow.com

**NATIONAL POWER CORP** 

\* - 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)

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4541 PRESLYN DR

Contact/Location: Brandon Daniels - NATRAL