

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

IAD2-B-GEN-02 IAD2-B-GEN-02

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

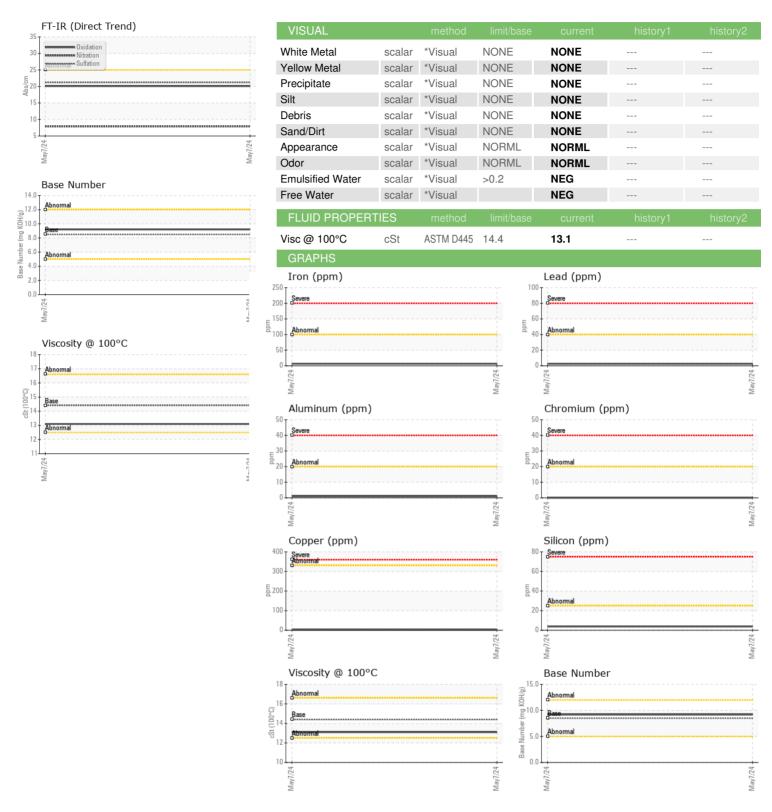
Fluid Condition

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 INFORM	/ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0931662		
Sample Date		Client Info		07 May 2024		
Machine Age	hrs	Client Info		527		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	V	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
Iron	ppm	ASTM D5185m	>100	7		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	1		
Lead	ppm	ASTM D5185m	>40	2		
Copper	ppm	ASTM D5185m	>330	2		
Tin	ppm	ASTM D5185m	>15	1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	55		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	42		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	450	638		
Calcium	ppm	ASTM D5185m	3000	1485		
Phosphorus	ppm	ASTM D5185m	1150	883		
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1350 4250	1027 3273		
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CONTAMINANTS Silicon		method	limit/base >25	current 4	history1	history2
Sodium	ppm	ASTM D5185m ASTM D5185m	>25	4		
Potassium	ppm	ASTM D5185m	>136	1		
	PPIII					
INFRA-RED	0/	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	7.9		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.1		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.2		



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Certificate 12367

Sample No.

Lab Number : 06193826

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0931662

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

Received **Tested** Unique Number : 11055949

: 30 May 2024 Diagnosed

: 30 May 2024 - Wes Davis Test Package : MOB 1 (Additional Tests: TBN)

: 29 May 2024

US 27616 Contact: Brandon Daniels Brandon.Daniels@natpow.com

Contact/Location: Brandon Daniels - NATRAL

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

RALEIGH, NC