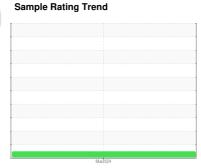


OIL ANALYSIS REPORT





UNIT B Component **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

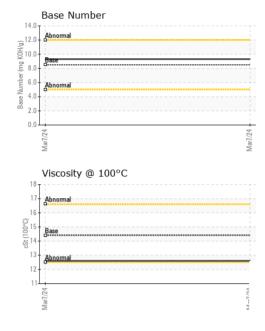
Fluid Condition

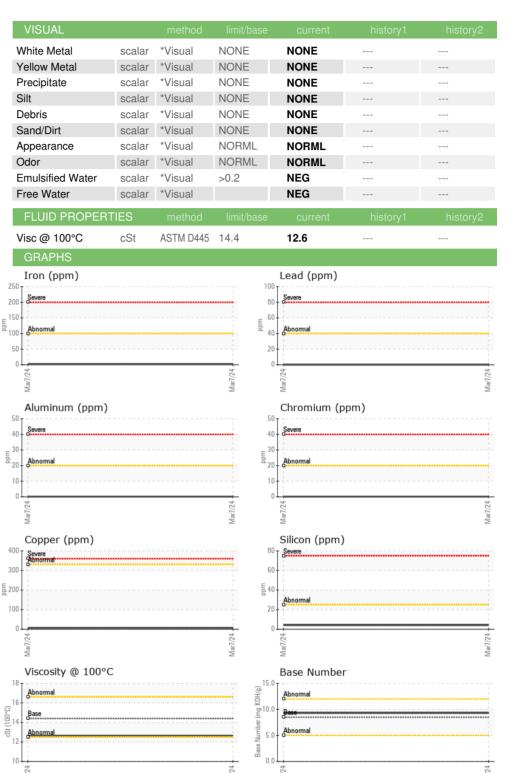
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0448687		
Sample Date		Client Info		07 Mar 2024		
Machine Age	hrs	Client Info		472		
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		
•		mathad	limit/booo	ourrent.	historyt	history
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	3		
Chromium	ppm	ASTM D5185m	>20	<1		
Vickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m	0	<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	<1		
_ead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	7		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		U		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	9		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	54		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	450	925		
Calcium	ppm	ASTM D5185m	3000	1038		
Phosphorus	ppm	ASTM D5185m	1150	1013		
Zinc	ppm	ASTM D5185m	1350	1195		
Sulfur	ppm	ASTM D5185m	4250	3538		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m	>158	1		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	5.1		
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.5		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.0		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.3		
((3.0	0.0		



OIL ANALYSIS REPORT









Laboratory Sample No.

Lab Number : 06125541 **Unique Number** : 10939692

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0448687

Received **Tested** Diagnosed Test Package : MOB 1 (Additional Tests: TBN)

: 21 Mar 2024 : 22 Mar 2024

: 22 Mar 2024 - Wes Davis

Contact: ANDREW RANDALL andrew.randall@natpow.com T: (919)790-1672

NATIONAL POWER CORP

4541 PRESLYN DR

RALEIGH, NC

F: (919)790-9714

US 27616

* - 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)

Contact/Location: ANDREW RANDALL - NATRAL