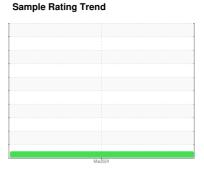


OIL ANALYSIS REPORT

Machine Id **2114774**

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

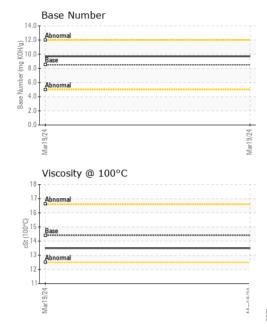
Fluid Condition

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		WC0911403		
Sample Date		Client Info		19 Mar 2024		
Machine Age	hrs	Client Info		441		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	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
Iron	ppm	ASTM D5185m	>100	0		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm		>20	<1		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m		0		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	48		
Barium	ppm		10	0		
Molybdenum	ppm	ASTM D5185m	100	46		
Manganese	ppm	ASTM D5185m	450	<1		
Magnesium	ppm	ASTM D5185m	450	736		
Calcium	ppm	ASTM D5185m	3000	1305		
Phosphorus	ppm	ASTM D5185m	1150	987		
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1350 4250	1176 3541		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3		
Sodium	ppm	ASTM D5185m	>158	<1		
Potassium	ppm	ASTM D5185m	>20	<1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0		
Nitration	Abs/cm	*ASTM D7624	>20	4.9		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.0		
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.7		



OIL ANALYSIS REPORT









Laboratory Sample No.

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

: WC0911403 Lab Number : 06136055 Unique Number: 10955520

Test Package : MOB 1 (Additional Tests: TBN)

Received

Diagnosed

Tested

: 02 Apr 2024

: 03 Apr 2024

: 03 Apr 2024 - Wes Davis

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

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

NATIONAL POWER CORP

4541 PRESLYN DR RALEIGH, NC US 27616

Contact: BRANDON RICE brandon.rice@natpow.com

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

F: (919)790-9714

Report Id: NATRAL [WUSCAR] 06136055 (Generated: 04/03/2024 04:30:13) Rev: 1

Contact/Location: BRANDON RICE - NATRAL