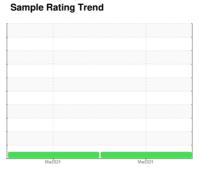


OIL ANALYSIS REPORT







Machine Id **1A 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.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

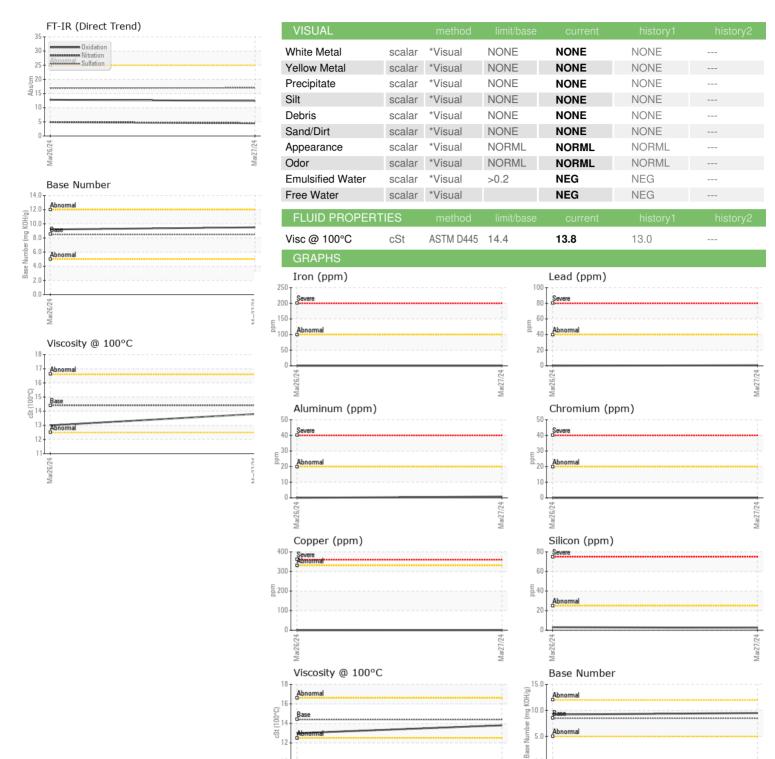
Fluid Condition

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

			Mar2024	Mar2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
	W/XIIOIV		IIIIIIIIIII			mstoryz
Sample Number		Client Info		WC0637189 27 Mar 2024	WC0911366	
Sample Date Machine Age	hrs	Client Info		0 War 2024	26 Mar 2024 561	
Oil Age	hrs	Client Info		0	0	
Oil Changed	1115	Client Info		N/A	N/A	
Sample Status		Ollerit IIIIO		NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	0	0	
Chromium	ppm	ASTM D5185m	>20	0	0	
Nickel	ppm	ASTM D5185m	>4	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	<1	0	
_ead	ppm	ASTM D5185m	>40	<1	0	
Copper	ppm	ASTM D5185m	>330	<1	0	
Γin	ppm	ASTM D5185m	>15	0	<1	
/anadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	6	10	
Barium	ppm	ASTM D5185m	10	0	0	
Molybdenum	ppm	ASTM D5185m	100	46	59	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	450	862	878	
Calcium	ppm	ASTM D5185m	3000	1139	1057	
Phosphorus	ppm	ASTM D5185m	1150	1024	995	
Zinc	ppm	ASTM D5185m	1350	1124	1159	
Sulfur	ppm	ASTM D5185m	4250	3403	3377	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	3	
Sodium Potassium	ppm	ASTM D5185m ASTM D5185m	>158 >20	2 1	0	
	ppm					
INFRA-RED	0/	method	limit/base	current	history1	history2
Soot %	% Abc/om	*ASTM D7844 *ASTM D7624	>3	0	0 4.9	
Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7624	>20 >30	4.5 17.0	16.9	
FLUID DEGRADA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.4	12.8	
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.5	9.2	



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Lab Number : 06143884 **Unique Number** : 10968692

: WC0637189

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Apr 2024 **Tested** : 11 Apr 2024

Diagnosed : 11 Apr 2024 - Wes Davis Test Package : MOB 1 (Additional Tests: TBN)

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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (919)790-9714

Report Id: NATRAL [WUSCAR] 06143884 (Generated: 04/11/2024 04:49:36) Rev: 1

Contact/Location: BRANDON RICE - NATRAL

NATIONAL POWER CORP

Contact: BRANDON RICE

brandon.rice@natpow.com

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