

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

CC-BSR-ANDERSON

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- QTS)

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

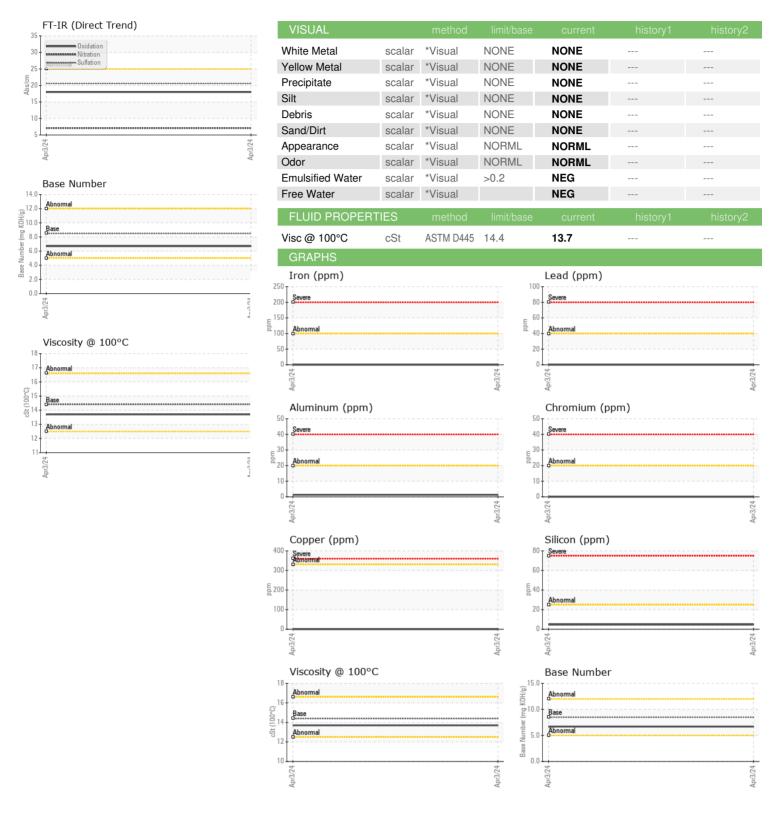
Fluid Condition

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

				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0884316		
Sample Date		Client Info		03 Apr 2024		
Machine Age	hrs	Client Info		341		
Oil Age	hrs	Client Info		21		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	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
ron	ppm	ASTM D5185m	>100	0		
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	0		
Copper	ppm	ASTM D5185m	>330	<1		
Γin	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	85		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	84		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	450	22		
Calcium	ppm	ASTM D5185m	3000	2131		
Phosphorus	ppm	ASTM D5185m	1150	951		
Zinc	ppm	ASTM D5185m		1147		
Sulfur	ppm	ASTM D5185m	4250	3996		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m	>158	2		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Vitration	Abs/cm	*ASTM D7624	>20	7.1		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.0		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	6.7		



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0884316

Lab Number : 06143872 Unique Number : 10968680

Diagnosed 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.

Received

Tested

: 10 Apr 2024

: 11 Apr 2024

: 11 Apr 2024 - Wes Davis

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

Contact: BRANDON RICE brandon.rice@natpow.com

NATIONAL POWER CORP

4541 PRESLYN DR

RALEIGH, NC

US 27616

Report Id: NATRAL [WUSCAR] 06143872 (Generated: 04/11/2024 04:48:23) Rev: 1

Contact/Location: BRANDON RICE - NATRAL

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