

Area [W134423] Machine Id 8534616A

OIL ANALYSIS REPORT

Sample Rating Trend







Diesel Engine Fluid DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

Component

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

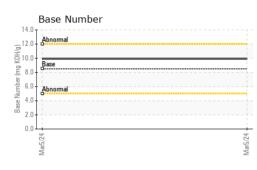
Fluid Condition

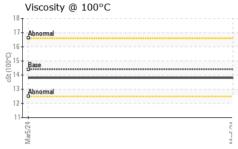
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

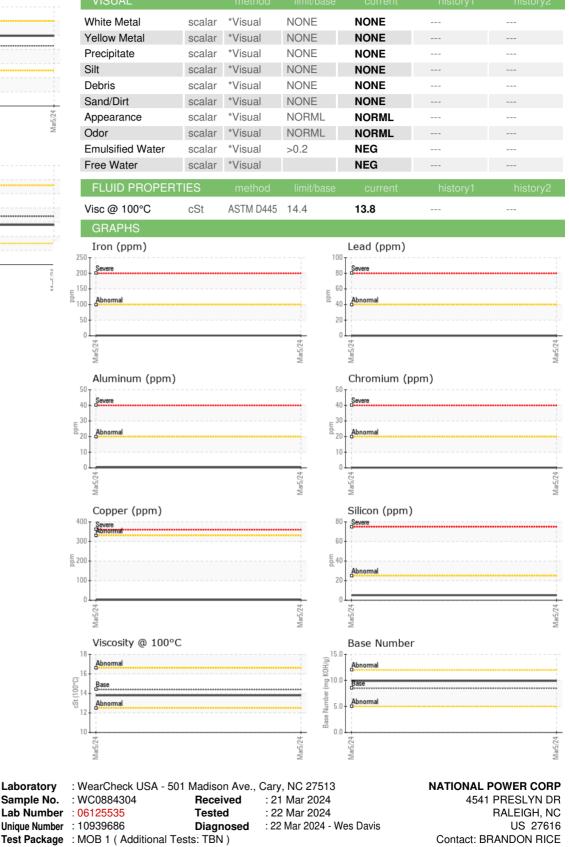
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0884304		
Sample Date		Client Info		05 Mar 2024		
Machine Age	hrs	Client Info		116		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	١	method	limit/base	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	<1		
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	ASTM D5185m	>20	<1		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	3		
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	8		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	56		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	450	911		
Calcium	ppm	ASTM D5185m	3000	1034		
Phosphorus	ppm	ASTM D5185m	1150	1007		
Zinc	ppm	ASTM D5185m	1350	1189		
Sulfur	ppm	ASTM D5185m	4250	3503		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m	>158	3		
Potassium	ppm	ASTM D5185m	>20	0		
		method	limit/base	current	history1	history2
INFRA-RED						
Soot %	%	*ASTM D7844	>3	0		
	% Abs/cm	*ASTM D7624	>3 >20	0 4.6		
Soot %						
Soot % Nitration	Abs/cm Abs/.1mm	*ASTM D7624	>20	4.6		
Soot % Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	>20 >30	4.6 17.5		
Soot % Nitration Sulfation FLUID DEGRADA	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415 method	>20 >30 limit/base	4.6 17.5 current	 history1	 history2



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Unique Number : 10939686 Test Package : MOB 1 (Additional Tests: TBN) Certificate L2367 brandon.rice@natpow.com 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

Laboratory

Sample No.

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