

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

IAD3-A-GEN-04 IAD3-A-GEN-04

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

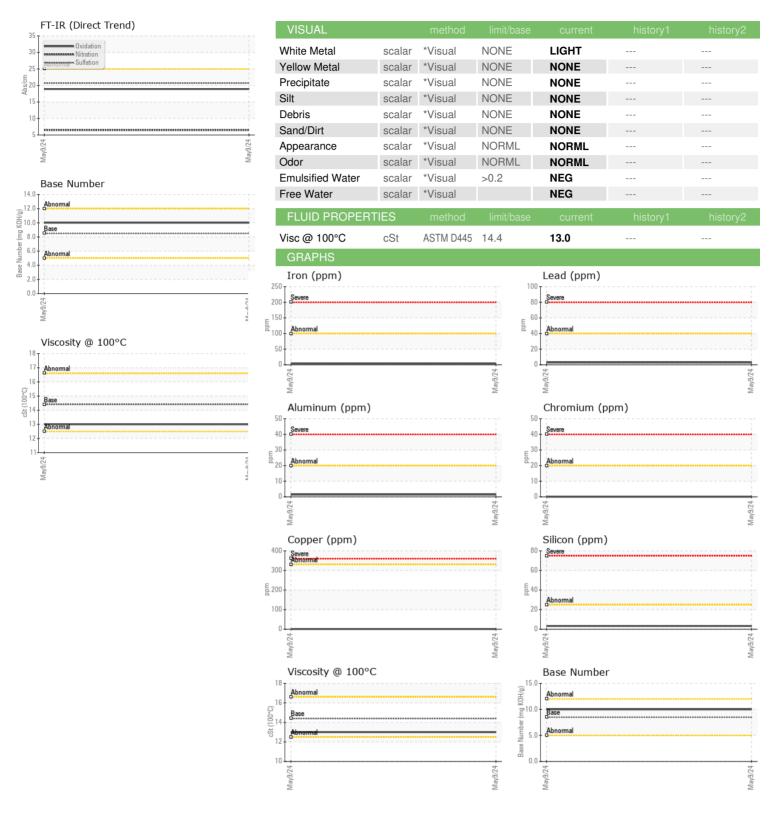
Fluid Condition

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

				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	VI) (1101 \		mmbasc			Thotory
Sample Number		Client Info		WC0931657		
Sample Date	hvo	Client Info		09 May 2024 398		
Machine Age Oil Age	hrs	Client Info		0		
Oil Changed	1115	Client Info		Not Changd		
Sample Status		Ollerit IIIIO		NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method	70.2	NEG		
			11		la la la considera	la la la ma O
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	3		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>4	0		
Fitanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	1		
_ead -	ppm	ASTM D5185m	>40	3		
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	62		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	41		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	450	561		
Calcium	ppm	ASTM D5185m	3000	1590		
Phosphorus	ppm	ASTM D5185m	1150	966		
Zinc	ppm	ASTM D5185m		1073		
Sulfur	ppm	ASTM D5185m	4250	3472		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3		
Sodium	ppm	ASTM D5185m	>158	4		
Potassium	ppm	ASTM D5185m	>20	1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Vitration	Abs/cm	*ASTM D7624	>20	6.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.9		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	10.0		



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Lab Number : 06193827 Unique Number : 11055950

: WC0931657

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

: 29 May 2024 : 30 May 2024 Diagnosed

: 30 May 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 Contact/Location: Brandon Daniels - NATRAL

NATIONAL POWER CORP

Contact: Brandon Daniels

Brandon.Daniels@natpow.com

4541 PRESLYN DR

RALEIGH, NC

US 27616