

# **OIL ANALYSIS REPORT**

### Sample Rating Trend

NORMAL



# BLUE BIRD 004189

Component **Diesel Engine** 

**NOT GIVEN (18 QTS)** 

## DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the

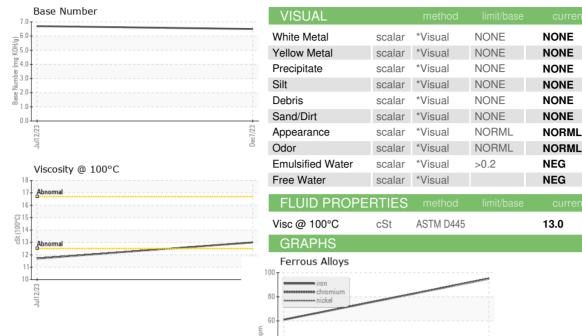
## **Fluid Condition**

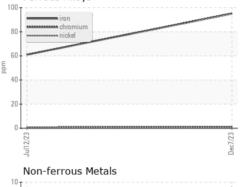
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

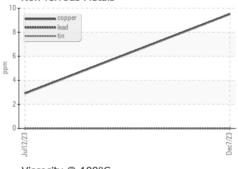
			Jul2023	Dec2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number	W., (1101)	Client Info		PCA0091656	PCA0091645	
Sample Date		Client Info		07 Dec 2023	12 Jul 2023	
Machine Age	mls	Client Info		43518	51307	
Oil Age	mls	Client Info		43518	51307	
Oil Changed	11110	Client Info		Changed	Changed	
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel	1011	WC Method	>3.0	<1.0	<1.0	
Water		WC Method		NEG	NEG	
Glycol		WC Method	70.L	NEG	NEG	
WEAR METAL	C	method	limit/base			history?
				current	history1	history2
Iron	ppm	ASTM D5185m	>90	95	61	
Chromium Nickel	ppm	ASTM D5185m	>20	1	<1	
	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m	>2	26	2	
Silver Aluminum	ppm	ASTM D5185m	>2	0 5	0 2	
Lead	ppm	ASTM D5185m ASTM D5185m	>20 >40	0	0	
	ppm	ASTM D5185m	>330	10	3	
Copper Tin	ppm ppm	ASTM D5185m	>15	0	0	
Vanadium	ppm	ASTM D5185m	>10	0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES	ррпп	method	limit/base			
			IIIIII/Dase	current	history1	history2
Boron	ppm	ASTM D5185m		35	3	
Barium	ppm	ASTM D5185m		0	0	
Monganasa	ppm	ASTM D5185m		13	56	
Manganese Magnesium	ppm	ASTM D5185m ASTM D5185m		<1 575	<1 885	
Calcium	ppm	ASTM D5165III		1326	1028	
	ppm	ASTM D5185m		749	784	
Phosphorus Zinc	ppm	ASTM D5185m		1048	1148	
Sulfur	ppm	ASTM D5185m		3406	2794	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	9	5	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	16	4	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	1.4	1.5	
Nitration	Abs/cm	*ASTM D7624	>20	12.9	12.7	
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.9	25.0	
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.8	21.8	
Base Number (BN)	mg KOH/g	ASTM D2896		6.5	6.7	
()	39			_		

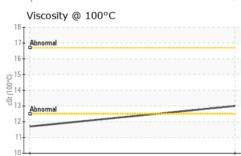


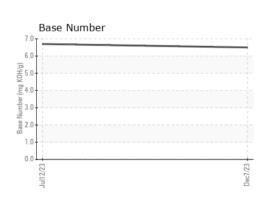
# **OIL ANALYSIS REPORT**











NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

11.7



Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: PCA0091656 : 06040259 : 10795488

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

Recieved : 20 Dec 2023 Diagnosed

: 21 Dec 2023 Diagnostician : Sean Felton

Test Package : FLEET ( Additional Tests: FT-IR(Diff) ) 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)

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