OIL ANALYSIS REPORT

WEAR CONTAMINATION **FLUID CONDITION**

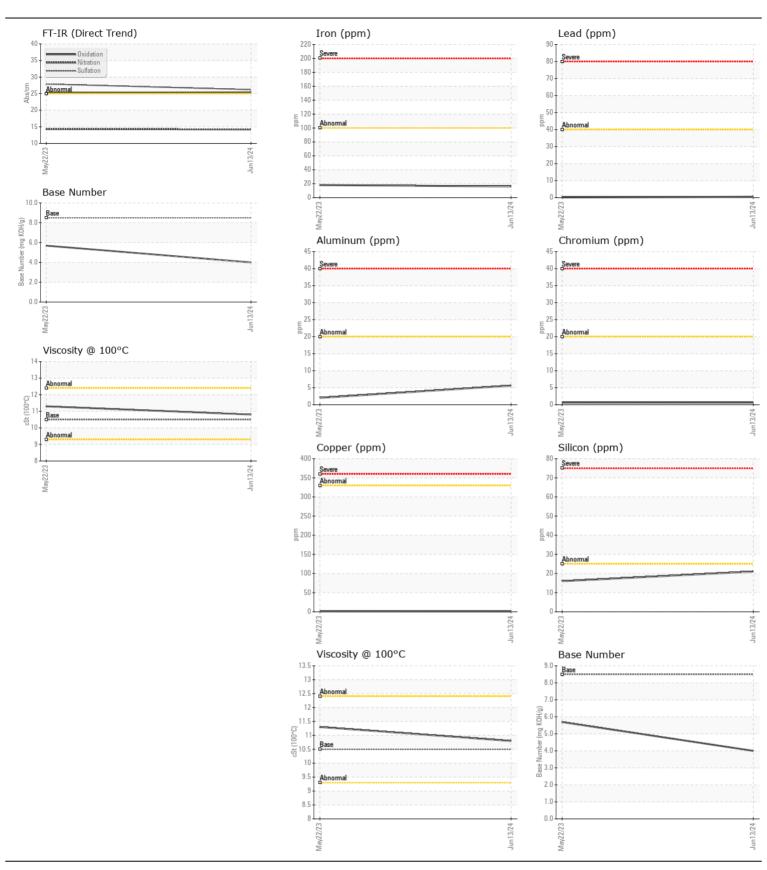
NORMAL NORMAL NORMAL

Machine Id

BLUE BIRD 5

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06210387	TR05854047	
	Sample Date		Client Info		13 Jun 2024	22 May 2023	
	Machine Age	mls	Client Info		0	0	
	Oil Age	mls	Client Info		0	0	
	Filter Age	mls	Client Info		0	0	
	Oil Changed		Client Info		N/A	N/A	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				NORMAL	NORMAL	
/EAR	Iron	ppm	ASTM D5185m	>100	16	18	
	Chromium	ppm	ASTM D5185m	>20	<1	<1	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	<1	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	>3	0	0	
	Aluminum	ppm	ASTM D5185m		6	2	
	Lead	ppm	ASTM D5185m		<1	<1	
	Copper	ppm	ASTM D5185m	-	<1	1	
	Tin	ppm	ASTM D5185m		0	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
ONTAMINATION	Silicon		ASTM D5185m	. 05	21	16	
ONTAMINATION	Potassium	ppm	ASTM D5185m		2	2	
There is no indication of any contamination in the oil.	Fuel	ppm	WC Method		<1.0	<1.0	
	Water		WC Method		NEG	NEG	
	Glycol		WC Method	>0.2	NEG	NEG	
	Soot %	%	*ASTM D7844	. 2	0.1	0.1	
	Nitration	Abs/cm	*ASTM D7624	>20	14.2	14.3	
	Sulfation	Abs/.1mm	*ASTM D7024		26.2	27.9	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
			*Visual	NORML	NORML	NORML	
	Appearance Odor	scalar scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual		NEG	NEG	
<u></u>	Linuisineu vvalei		vioual	>0.2		NLG	
LUID CONDITION	Sodium	ppm	ASTM D5185m		4	3	
	Boron	ppm	ASTM D5185m		19	21	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		1	0	
	Molybdenum	ppm	ASTM D5185m	400	270	272	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m	600	450	432	
	Calcium	ppm	ASTM D5185m		1266	1425	
	Phosphorus	ppm	ASTM D5185m		619	649	
	Zinc	ppm	ASTM D5185m	900	788	831	
	Sulfur	ppm	ASTM D5185m		1947	2289	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	25.4	25.3	
	Base Number (BN)		ASTM D2896		4.00	5.69	
	Visc @ 100°C	39	ASTM D445		10.8	11.3	





Certificate L2367

Laboratory Sample No.

: TR06210387 Lab Number : 06210387 Unique Number : 11083251 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 Jun 2024 **Tested** : 17 Jun 2024

Diagnosed : 18 Jun 2024 - Don Baldridge

BUCHANAN COMMUNITY SCHOOLS

401 W CHICAGO BUCHANAN, MI US 49107 Contact: BOB MCCALL

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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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