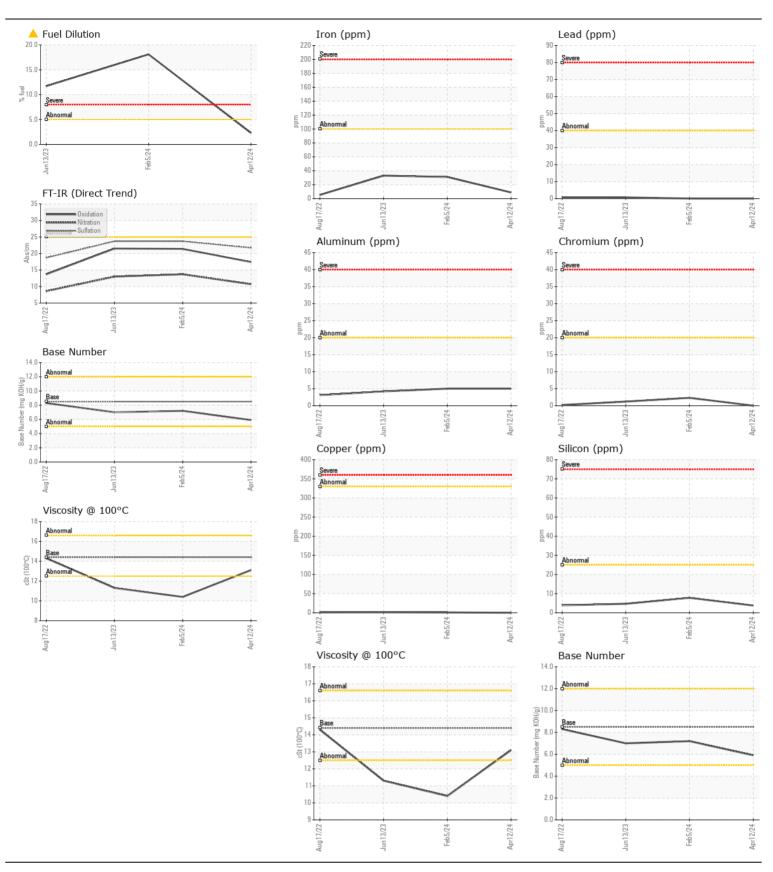
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL MARGINAL NORMAL

Machine Id

INTERNATIONAL 1364 Component Diosed Engine

DECOMMENDATION	T4	11044	Mada!	Line St. A.L.	O	I Baka	I Baka a o
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number Sample Date		Client Info		WC0905806 12 Apr 2024	WC0870779 05 Feb 2024	WC0821419
	Machine Age	mle	Client Info		204310	199817	190891
	Oil Age	mls mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed	11115	Client Info		Not Changd		Not Chang
	Filter Changed		Client Info		Not Change	_	Not Chang
	Sample Status		Oliciti IIIIo		MARGINAL	SEVERE	SEVERE
WEAR	Iron	ppm	ASTM D5185m	>100	9	31	33
All component wear rates are normal	Chromium	ppm	ASTM D5185m	>20	0	2	1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>4	0	<1	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	5	5	4
	Lead	ppm	ASTM D5185m	>40	0	0	<1
	Copper	ppm	ASTM D5185m	>330	0	<1	2
	Tin	ppm	ASTM D5185m	>15	0	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	nnm	ASTM D5185m	> 25	4	8	5
CONTAMINATION	Potassium	ppm	ASTM D5185m		<1	△ 167	27
Light fuel dilution occurring. No other contaminants were detected in the oil.	Fuel	ppm %	ASTM D3163111	>5	<u>^</u> 2.3	▲ 18.1	▲ 11.7
	Water	70	WC Method		NEG	NEG	NEG
	Glycol		WC Method	70.L	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.6	1.5	1.1
	Nitration	Abs/cm	*ASTM D7624	>20	10.7	13.7	13.0
	Sulfation	Abs/.1mm	*ASTM D7415		21.7	23.7	23.7
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
EL LUD COMPLETON							
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	<u>164</u>	29
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		26	33	23
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	100	80	80	77
	Manganese	ppm	ASTM D5185m	450	0	0	<1
	Magnesium Calcium	ppm	ASTM D5185m ASTM D5185m	3000	104 1981	87 1591	117 2041
	Phosphorus	ppm	ASTM D5185m			865	956
	Zinc	ppm	ASTM D5185m		964 1130	1004	1179
	Sulfur	ppm	ASTM D5185m		3702	3127	3960
	Oxidation	ppm Abs/.1mm	*ASTM D7414		3702 17.4	21.4	21.5
	Base Number (BN)		ASTM D2896		5.9	7.2	7.0
					h u		





Certificate L2367

Unique Number : 11057261

Laboratory Sample No. Lab Number : 06195138

: WC0905806

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

: 30 May 2024 **Tested** : 04 Jun 2024 Diagnosed

: 04 Jun 2024 - Wes Davis Test Package : MOB 1 (Additional Tests: PercentFuel, TBN)

WAKE COUNTY PUBLIC SCHOOL SYSTEM 1551 ROCK QUARRY ROAD RALEIGH, NC US 27610

Contact: DEVIN WEBER dweber@wcpss.net T: (919)856-8076

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)

Contact/Location: DEVIN WEBER - WCPRAL

F: x: