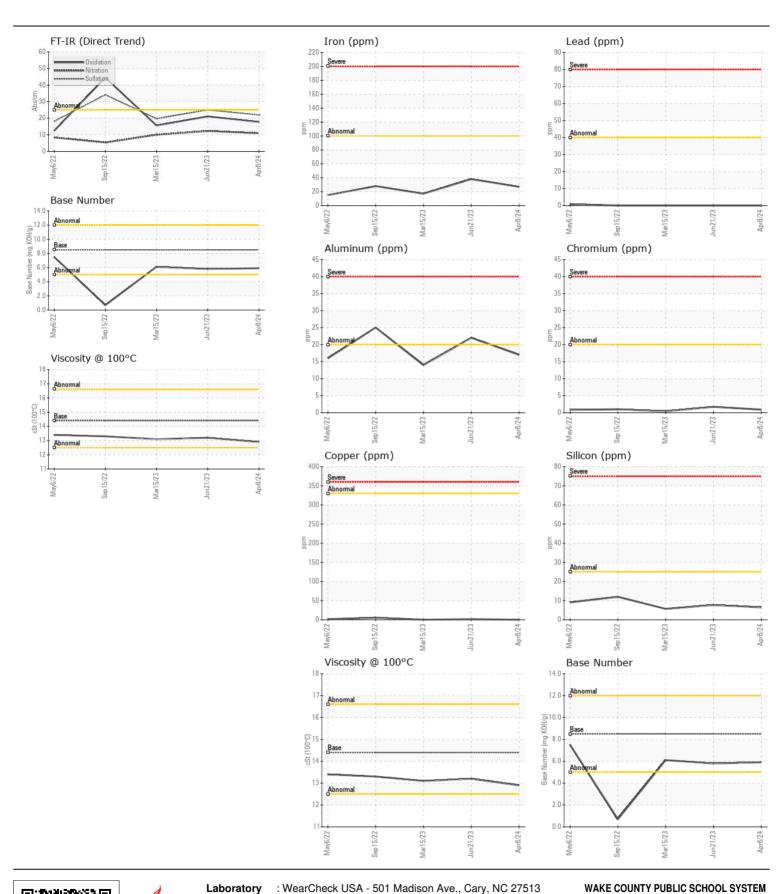
**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL NORMAL NORMAL** 

Machine Id

## **THOMAS 1761**

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0905809	WC0821359	WC0792929
	Sample Date		Client Info		08 Apr 2024	21 Jun 2023	15 Mar 202
	Machine Age	mls	Client Info		54364	39982	34123
	Oil Age	mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed		Client Info		Not Changd	Not Changd	Not Change
	Filter Changed		Client Info		Not Changd	Not Changd	Not Change
	Sample Status				NORMAL	NORMAL	NORMAL
VEAD	Iron	nnm	ACTM DE10Em	. 100	07	20	17
VEAR	Iron	ppm	ASTM D5185m		27	38	17
Metal levels are typical for a new component breaking in.	Chromium Nickel	ppm	ASTM D5185m		<1	2	<1
		ppm	ASTM D5185m	>4	0	0	0
	Titanium	ppm	ASTM D5185m	. 0	0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum Lead	ppm	ASTM D5185m ASTM D5185m		17 0	22 0	0
		ppm	ASTM D5185m		0	2	<1
	Copper Tin	ppm	ASTM D5185m		0	0	0
	Vanadium	ppm	ASTM D5185m	>10	0	<1	0
	White Metal	ppm	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
<u></u>	Tellow Metal	scalar	Visuai	INOINL	NONE	INOINL	INOINL
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	6	8	6
	Potassium	ppm	ASTM D5185m	>20	31	46	26
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.7	0.8	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	10.9	12.3	10.0
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9	25.0	19.7
	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
	<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
U LUD AGUDITIGNI							
LUID CONDITION	Sodium	ppm	ASTM D5185m		2	2	2
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		26	25	46
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	100	76	85	83
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		114	73	74
	Calcium	ppm	ASTM D5185m		1905	2315	2193
	Phosphorus	ppm	ASTM D5185m		883	996	1005
	Zinc	ppm	ASTM D5185m		1068	1250	1282
	Sulfur	ppm	ASTM D5185m	4250	3598	4523	4174
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414 ASTM D2896		17.7 5.9	21.1 5.8	15.6 6.1





Certificate L2367

Laboratory Sample No. Unique Number : 11057262

Lab Number : 06195139

: WC0905809

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

**Tested** Diagnosed Test Package : MOB 1 ( Additional Tests: TBN )

Received : 30 May 2024 : 31 May 2024

: 31 May 2024 - Wes Davis

1551 ROCK QUARRY ROAD RALEIGH, NC US 27610

Contact: DEVIN WEBER dweber@wcpss.net

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)

T: (919)856-8076 F: x: