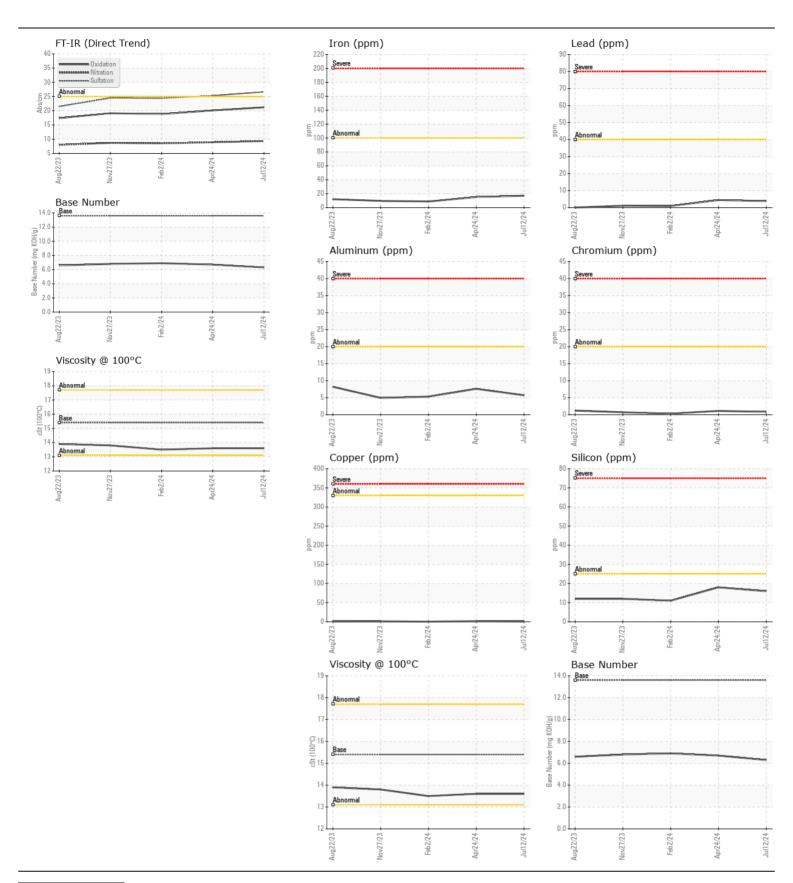
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

[W9159]

BOMAG BC973RB-5 101930611002

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. (Customer Sample Comment: W9159)	Sample Number		Client Info		JR0224135	JR0197212	JR018309
	Sample Date		Client Info		12 Jul 2024	24 Apr 2024	02 Feb 202
	Machine Age	hrs	Client Info		4008	3531	3002
	Oil Age	hrs	Client Info		477	529	488
	Filter Age	hrs	Client Info		477	529	488
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	17	15	9
VEAIT	Chromium	ppm	ASTM D5185m		<1	1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	0
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	>3	0	<1	0
	Aluminum	ppm	ASTM D5185m		6	8	5
	Lead	ppm	ASTM D5185m	>40	4	4	<1
	Copper	ppm	ASTM D5185m	>330	<1	2	<1
	Tin	ppm	ASTM D5185m	>15	0	2	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	\25	16	18	11
CONTAININATION	Potassium	ppm	ASTM D5185m		6	6	2
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	7 O.L	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.4	0.3	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	9.3	8.9	8.5
	Sulfation	Abs/.1mm	*ASTM D7415		26.6	25.3	24.4
	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	NORN
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
LUD CONDITION	Cadium		ACTM DE10Em		•		4
FLUID CONDITION	Sodium Boron	ppm	ASTM D5185m ASTM D5185m		2 43	0 94	1 134
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		4 3 <1	0	0
	Molybdenum	ppm	ASTM D5185m		246	281	248
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		896	881	801
	Calcium	ppm ppm	ASTM D5185m		1719	1655	1362
	Phosphorus	ppm	ASTM D5185m		1030	1119	958
	Zinc	ppm	ASTM D5185m		1257	1244	1130
	Sulfur	ppm	ASTM D5185m		3612	3241	2818
	Oxidation	Abs/.1mm	*ASTM D3163111	>25	21.2	20.1	18.8
	Base Number (BN)		ASTM D2896		6.3	6.7	6.9
	Dasc Halliber (DIV)	my Rolly	, 10 I W D 2000	10.0	0.0	0.7	0.0







Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0224135 : 06237569 Unique Number : 11126403

Received **Tested**

: 16 Jul 2024 : 17 Jul 2024 Diagnosed

: 18 Jul 2024 - Sean Felton

JRE - HOPE MILLS/FAYETTEVILLE

5039 HWY 301 SOUTH HOPE MILLS, NC US 28348

Contact: FAYETTEVILLE SHOP

Test Package: MOBCE (Additional Tests: TBN) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. stephen.mullis@jamesriverequipment.com;canastasio@wearcheck.com T:

* - 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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