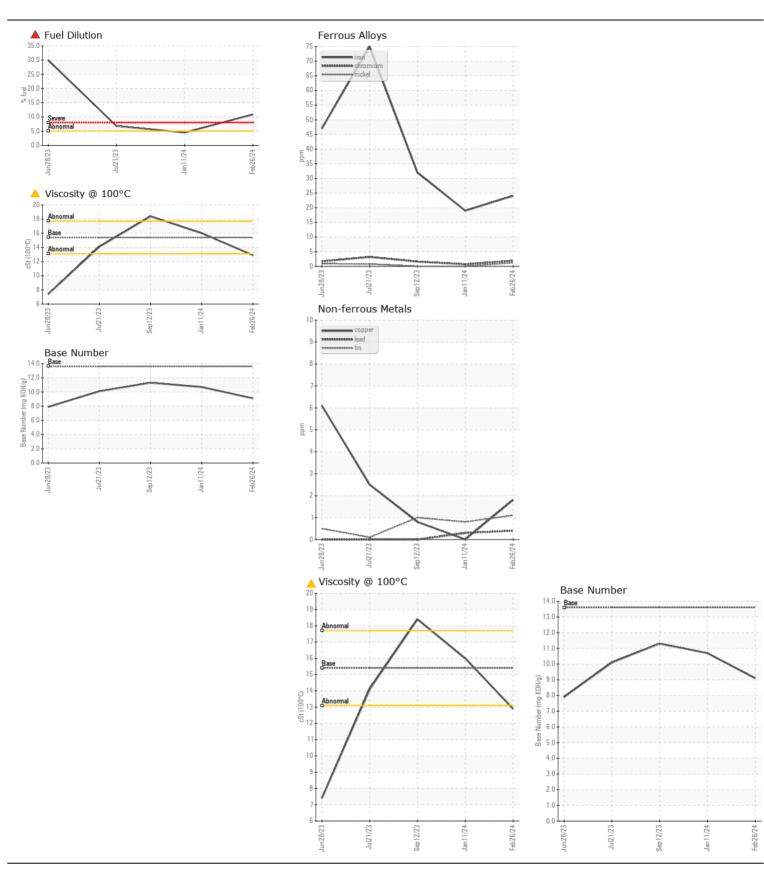
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL SEVERE ABNORMAL

KLEEMANN KT80-2 Z008.0814

DECOMMENDATION .	T 1	11014	NA - Al-	1.557A1	(112-4- 4	L line to a
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Number Sample Date		Client Info		JR0201161 26 Feb 2024	JR0193845	JR0173859
	Machine Age	hrs	Client Info		6933	11 Jan 2024 5870	12 Sep 2023 3082
	Oil Age	hrs	Client Info		498	500	5002
	Filter Age	hrs	Client Info		498	500	500
	Oil Changed	1113	Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		N/A	Changed	Changed
	Sample Status		Olichi illio		SEVERE	MARGINAL	0
WEAR	Iron	ppm	ASTM D5185m	>100	24	19	32
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	2	<1	2
	Nickel	ppm	ASTM D5185m	>4	1	0	0
	Titanium	ppm	ASTM D5185m		1	<1	0
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m		9	7	<1
	Lead	ppm	ASTM D5185m		<1	<1	0
	Copper	ppm	ASTM D5185m		2	0	<1
	Tin	ppm	ASTM D5185m	>15	1	<1	1
	Vanadium	ppm	ASTM D5185m	NONE	<1	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	21	14	15
	Potassium	ppm	ASTM D5185m	>20	2	2	<1
There is a high amount of fuel present in the oil.	Fuel	%	ASTM D3524		1 0.9	<u>4.5</u>	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	1.5	2.1	2.6
	Nitration	Abs/cm	*ASTM D7624	>20	14.0	16.3	19.6
	Sulfation	Abs/.1mm	*ASTM D7415	>30	28.0	30.7	34.1
	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	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	1	2
I LOID GORDITION	Boron	ppm	ASTM D5185m		172	201	154
Fuel is present in the oil and is lowering the viscosity. The BN result	Barium	ppm	ASTM D5185m		2	0	0
indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.	Molybdenum	ppm	ASTM D5185m		227	234	265
	Manganese	ppm	ASTM D5185m		1	<1	<1
	Magnesium	ppm	ASTM D5185m		675	791	867
	Calcium	ppm	ASTM D5185m		1209	1303	1576
	Phosphorus	ppm	ASTM D5185m		714	844	854
	Zinc	ppm	ASTM D5185m		886	986	1068
	Sulfur	ppm	ASTM D5185m		2615	2719	3498
	Oxidation	Abs/.1mm	*ASTM D7414	>25	28.2	31.4	37.0
	Base Number (BN)	mg KOH/g	ASTM D2896	13.6	9.1	10.7	11.3
	Visc @ 100°C	cSt	ASTM D445	4 = 4	12.9	16.0	18.4







Report Id: RWMNEW [WUSCAR] 06102715 (Generated: 03/05/2024 15:44:50) Rev: 1

Laboratory Sample No. Unique Number : 10900945

: JR0201161 **Lab Number** : 06102715

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

: 28 Feb 2024 **Tested** : 04 Mar 2024 Diagnosed : 04 Mar 2024 - Jonathan Hester

3816 MARTIN LUTHER KING BLVD

NEW BERN, NC US 28562 Contact: NEW BERN SHOP

JRE - NEW BERN

Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

nick.etherdridge@jamesriverequipment.com;canastasio@wearcheckusa.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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