



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W46471]
 Machine Id
KLEEMANN MR130Zi EVO2 K0780276
 Component
Left Final Drive
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W46471)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197873	JR0186557	JR0175227
Sample Date		Client Info		04 Jan 2024	09 Nov 2023	03 Jul 2023
Machine Age	hrs	Client Info		1474	990	2914
Oil Age	hrs	Client Info		484	990	2914
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		36	66	60
Iron	ppm	ASTM D5185m	>500	20	109	49
Chromium	ppm	ASTM D5185m	>10	0	4	2
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m	>50	<1	0	2
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

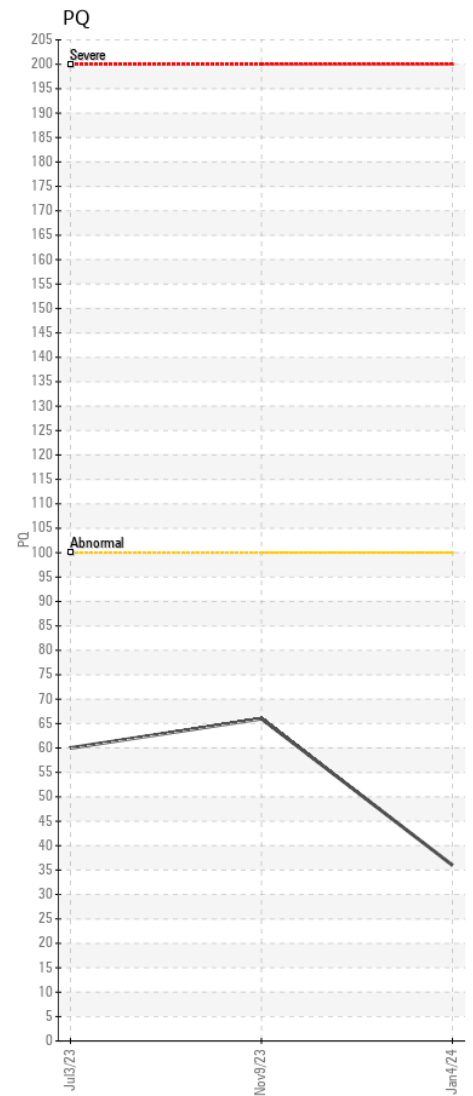
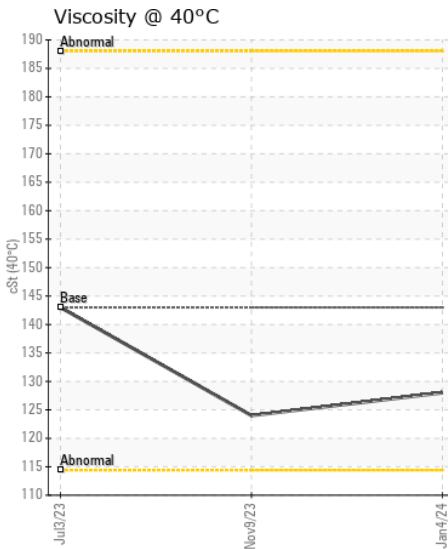
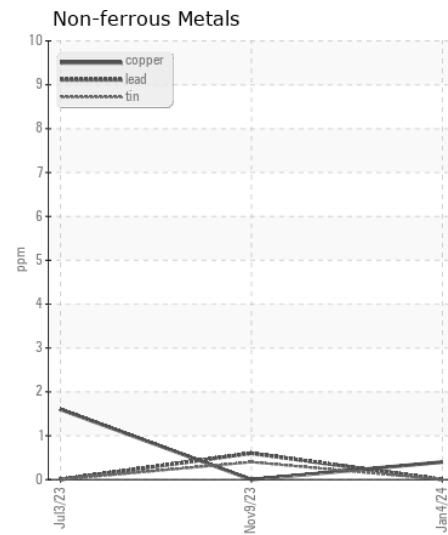
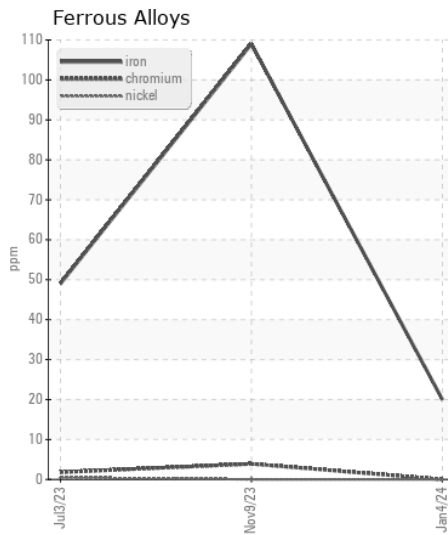
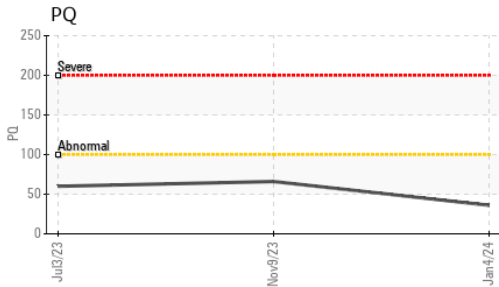
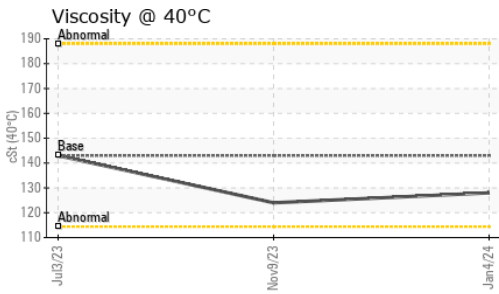
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	0	5	3
Potassium	ppm	ASTM D5185m	>20	<1	1	2
Water		WC Method	>0.2	NEG	NEG	NEG
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

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>170	7	<1	16
Boron	ppm	ASTM D5185m	400	7	0	13
Barium	ppm	ASTM D5185m	200	0	0	4
Molybdenum	ppm	ASTM D5185m	12	0	0	<1
Manganese	ppm	ASTM D5185m		0	7	2
Magnesium	ppm	ASTM D5185m	12	<1	1	<1
Calcium	ppm	ASTM D5185m	150	31	39	42
Phosphorus	ppm	ASTM D5185m	1650	455	201	387
Zinc	ppm	ASTM D5185m	125	12	<1	7
Sulfur	ppm	ASTM D5185m	22500	15688	19565	5951
Visc @ 40°C	cSt	ASTM D445	143	128	124	143



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0197873 **Received** : 08 Jan 2024
Lab Number : 06054242 **Diagnosed** : 09 Jan 2024
Unique Number : 10820191 **Diagnostician** : Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529

Contact: RALEIGH SHOP
 sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com

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)614-2260
 F: (919)779-5432