



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W65831]
 Machine Id
TEREX TA300 TTHA1189JK0111047
 Component
Rear Differential
 Fluid
GEAR OIL SAE 80W90 (8 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W65831)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206806	JR0119753	---
Sample Date		Client Info		23 Apr 2024	19 Apr 2022	---
Machine Age	hrs	Client Info		4846	1704	---
Oil Age	hrs	Client Info		4846	500	---
Filter Age	hrs	Client Info		0	500	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		173	64	---
Iron	ppm	ASTM D5185m	>500	242	59	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	2	1	---
Lead	ppm	ASTM D5185m	>25	0	0	---
Copper	ppm	ASTM D5185m	>100	14	8	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

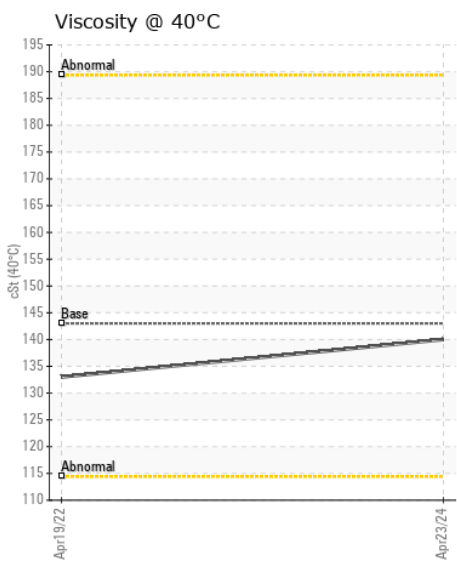
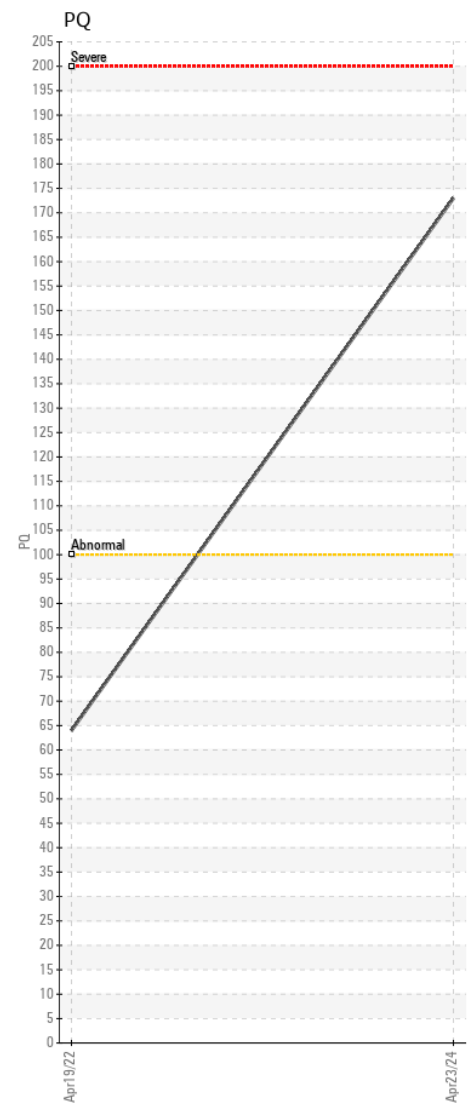
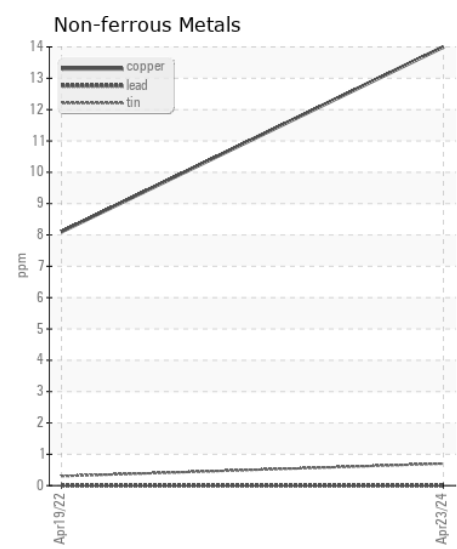
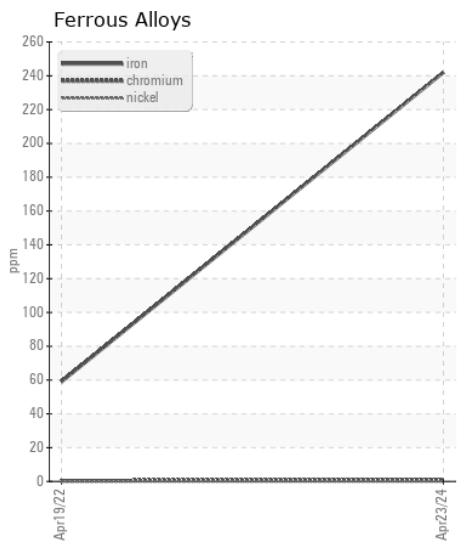
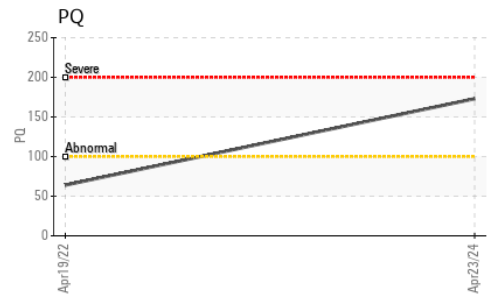
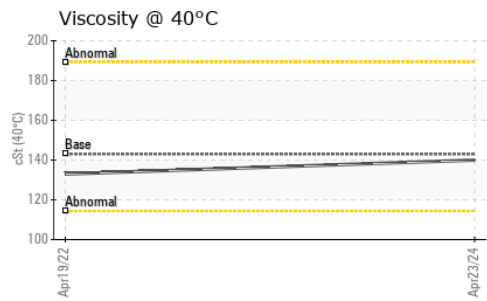
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	45	16	---
Potassium	ppm	ASTM D5185m	>20	0	1	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	31	3	---
Boron	ppm	ASTM D5185m	400	19	36	---
Barium	ppm	ASTM D5185m	200	0	0	---
Molybdenum	ppm	ASTM D5185m	12	0	<1	---
Manganese	ppm	ASTM D5185m		3	<1	---
Magnesium	ppm	ASTM D5185m	12	54	22	---
Calcium	ppm	ASTM D5185m	150	25	10	---
Phosphorus	ppm	ASTM D5185m	1650	2279	436	---
Zinc	ppm	ASTM D5185m	125	23	4	---
Sulfur	ppm	ASTM D5185m	22500	32165	15115	---
Visc @ 40°C	cSt	ASTM D445	143	140	133	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206806 **Received** : 25 Apr 2024
Lab Number : 06160658 **Tested** : 26 Apr 2024
Unique Number : 10996081 **Diagnosed** : 27 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)