



WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
[W65831]
 Machine Id
TEREX TA300 TTHA1189JK0111047
 Component
Center Right Planetary
 Fluid
GEAR OIL SAE 80W90 (1 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: W65831)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0177549	JR0119799	---
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				ABNORMAL	NORMAL	---

WEAR

Gear wear is indicated.

PQ		ASTM D8184		222	140	---
Iron	ppm	ASTM D5185m	>500	▲ 910	83	---
Chromium	ppm	ASTM D5185m	>10	4	<1	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	● 8	1	---
Lead	ppm	ASTM D5185m	>25	0	0	---
Copper	ppm	ASTM D5185m	>75	0	6	---
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

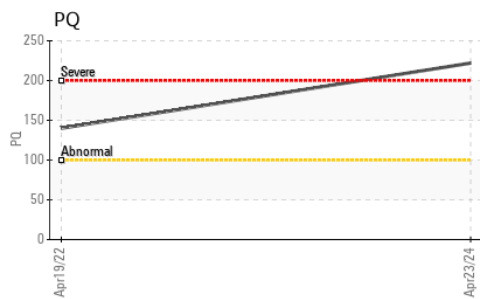
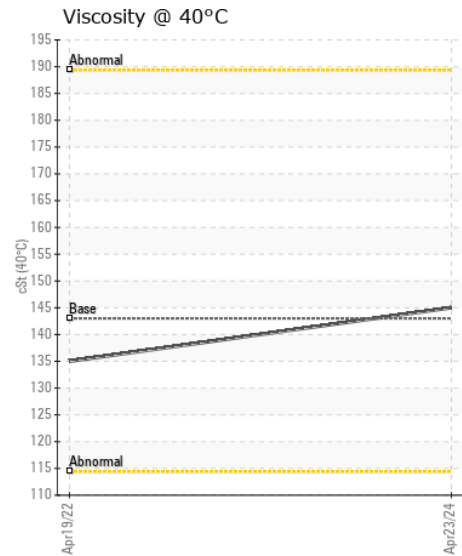
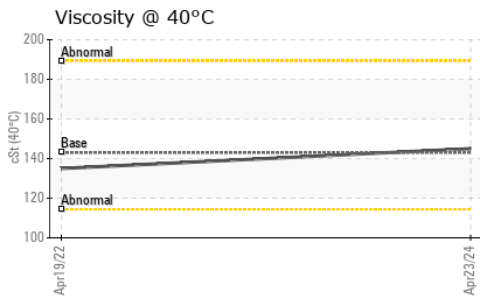
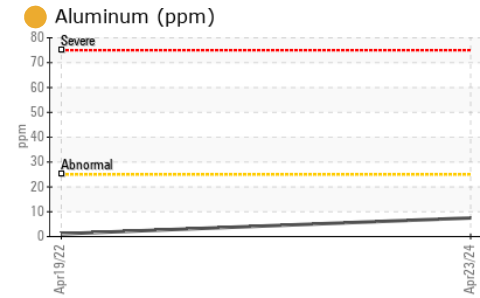
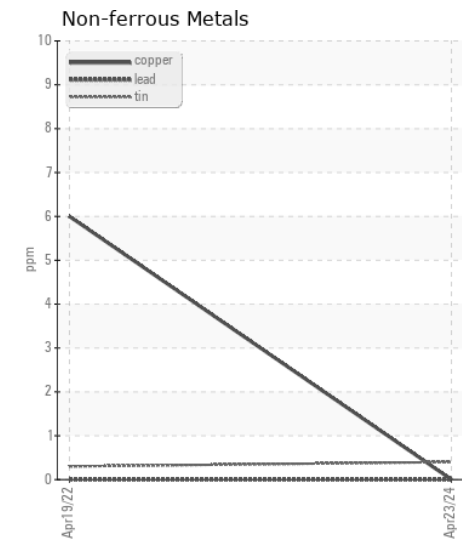
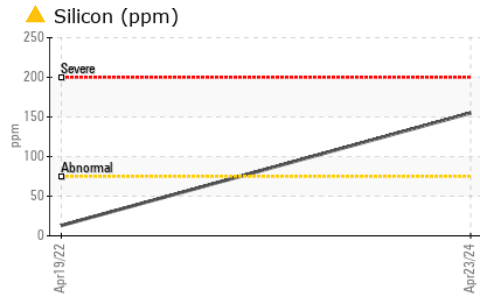
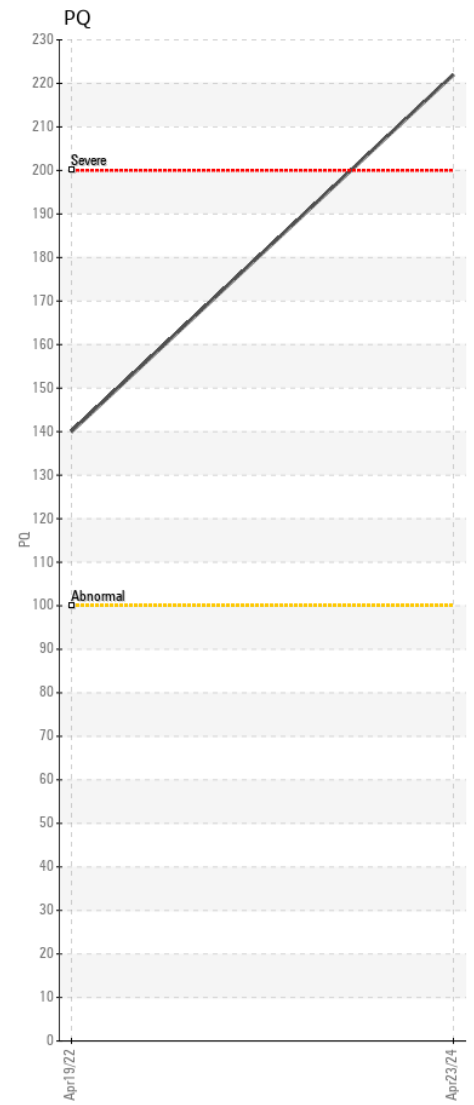
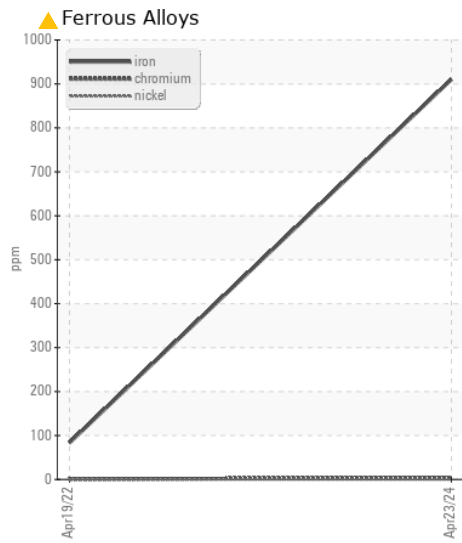
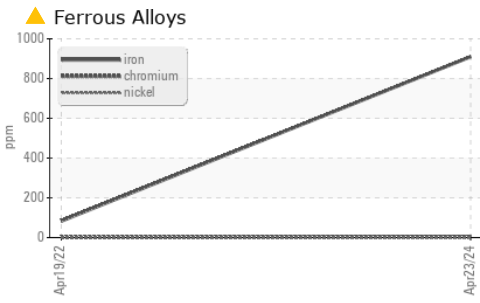
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 155	13	---
Potassium	ppm	ASTM D5185m	>20	<1	1	---
Water		WC Method	>0.2	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	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	64	5	---
Boron	ppm	ASTM D5185m	400	26	49	---
Barium	ppm	ASTM D5185m	200	0	0	---
Molybdenum	ppm	ASTM D5185m	12	0	<1	---
Manganese	ppm	ASTM D5185m		8	<1	---
Magnesium	ppm	ASTM D5185m	12	87	31	---
Calcium	ppm	ASTM D5185m	150	73	30	---
Phosphorus	ppm	ASTM D5185m	1650	1081	440	---
Zinc	ppm	ASTM D5185m	125	24	8	---
Sulfur	ppm	ASTM D5185m	22500	25662	14907	---
Visc @ 40°C	cSt	ASTM D445	143	145	135	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0177549 **Received** : 25 Apr 2024
Lab Number : 06160672 **Tested** : 26 Apr 2024
Unique Number : 10996095 **Diagnosed** : 27 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269

Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.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)

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