



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[MARTINI COMPANIES]
 Machine Id
CASE MAGNUM 220 JJAM0220TKRH01067
 Component
Hydraulic System
 Fluid
CASE CASE IH HY-TRAN ULTRA (26 GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JCB005701	JCB000276	---
Sample Date		Client Info		01 Feb 2024	11 Jan 2023	---
Machine Age	hrs	Client Info		6983	5438	---
Oil Age	hrs	Client Info		0	40	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	16	7	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	<1	<1	---
Lead	ppm	ASTM D5185m	>10	1	<1	---
Copper	ppm	ASTM D5185m	>75	3	1	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

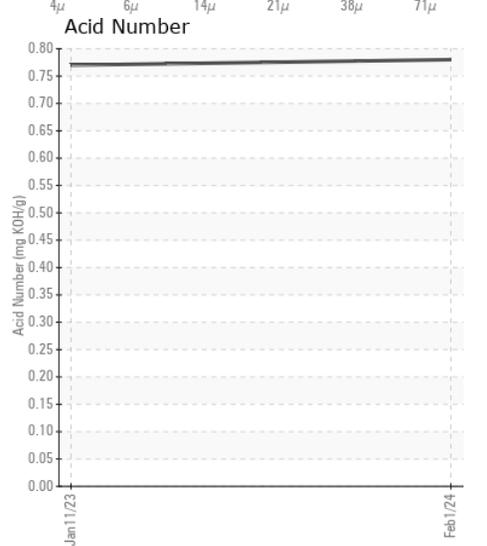
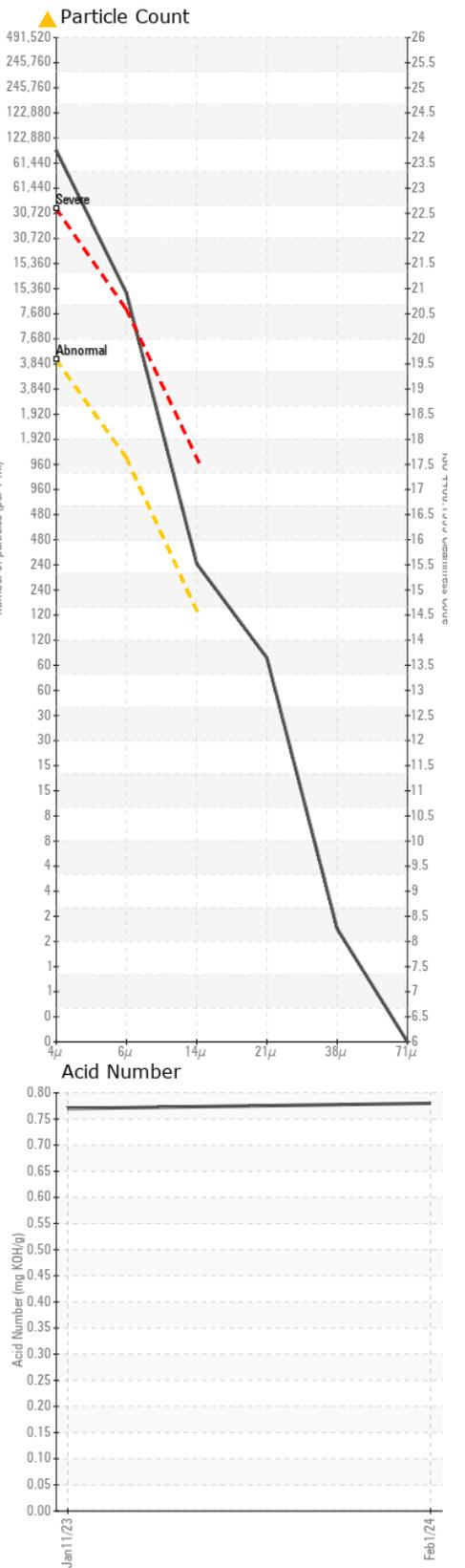
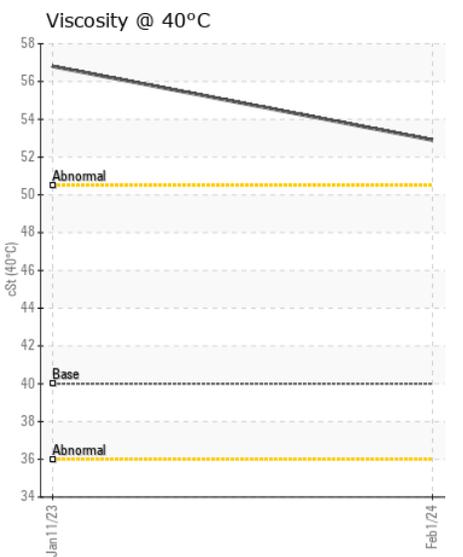
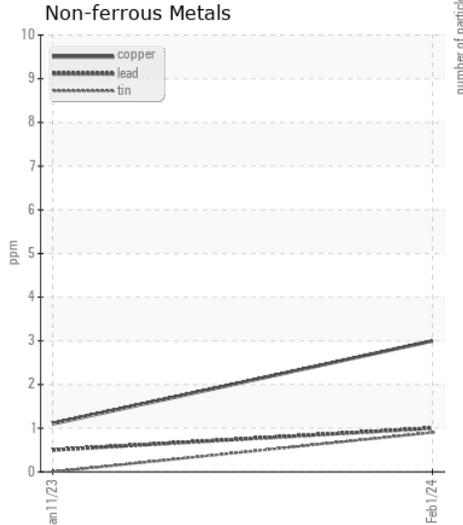
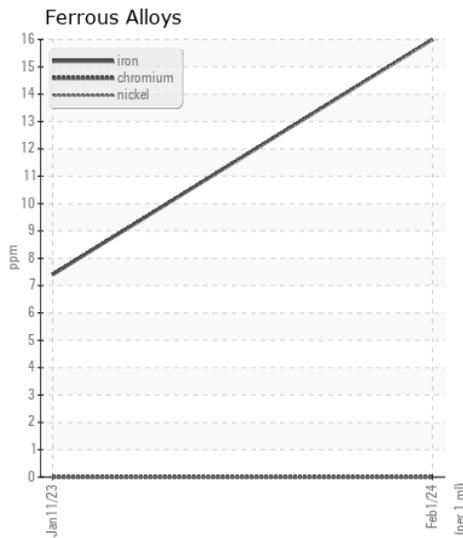
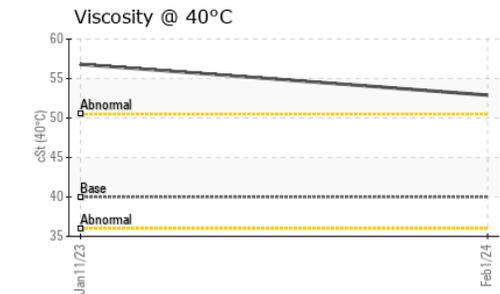
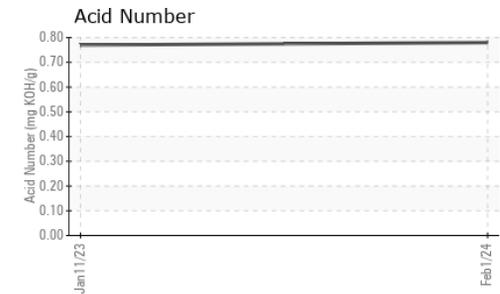
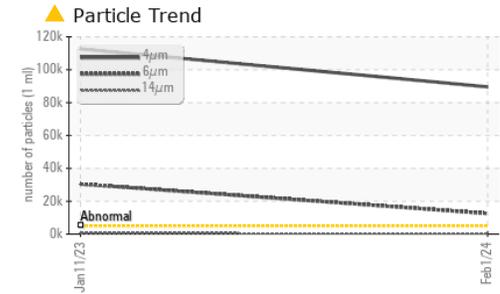
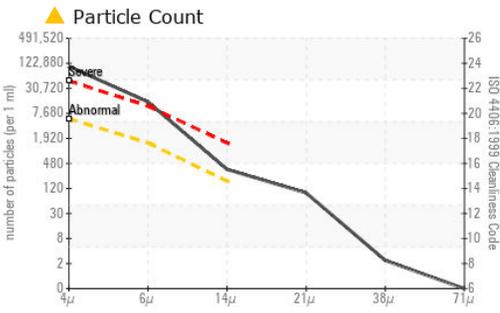
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	6	10	---
Potassium	ppm	ASTM D5185m	>20	0	2	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	▲ 89548	▲ 112624	---
Particles >6µm		ASTM D7647	>1300	▲ 12544	▲ 30454	---
Particles >14µm		ASTM D7647	>160	▲ 304	▲ 384	---
Particles >21µm		ASTM D7647	>40	▲ 83	▲ 56	---
Particles >38µm		ASTM D7647	>10	2	6	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 24/21/15	▲ 24/22/16	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		3	0	---
Boron	ppm	ASTM D5185m		117	169	---
Barium	ppm	ASTM D5185m		0	1	---
Molybdenum	ppm	ASTM D5185m		1	<1	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		24	15	---
Calcium	ppm	ASTM D5185m		2847	3510	---
Phosphorus	ppm	ASTM D5185m		811	891	---
Zinc	ppm	ASTM D5185m	0.0	287	157	---
Sulfur	ppm	ASTM D5185m		3114	3768	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.78	0.77	---
Visc @ 40°C	cSt	ASTM D445	40	52.9	56.8	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JCB005701 **Received** : 08 Feb 2024
Lab Number : 06083563 **Tested** : 09 Feb 2024
Unique Number : 10871008 **Diagnosed** : 12 Feb 2024 - Jonathan Hester
Test Package : MOB 2

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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)