



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
INJ 208 (S/N 6526745)
Component
Hydraulic System
Fluid
MOBIL DTE 25 (300 QTS)

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		DC0028926	DC0028933	DC04871271
Sample Date		Client Info		07 Feb 2024	22 Nov 2023	16 Dec 2019
Machine Age	mths	Client Info		24	24	0
Oil Age	mths	Client Info		0	0	0
Filter Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	1	6	5
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	2	<1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>75	2	5	6
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

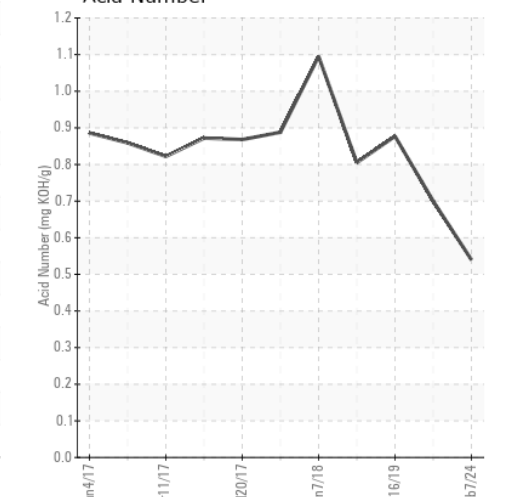
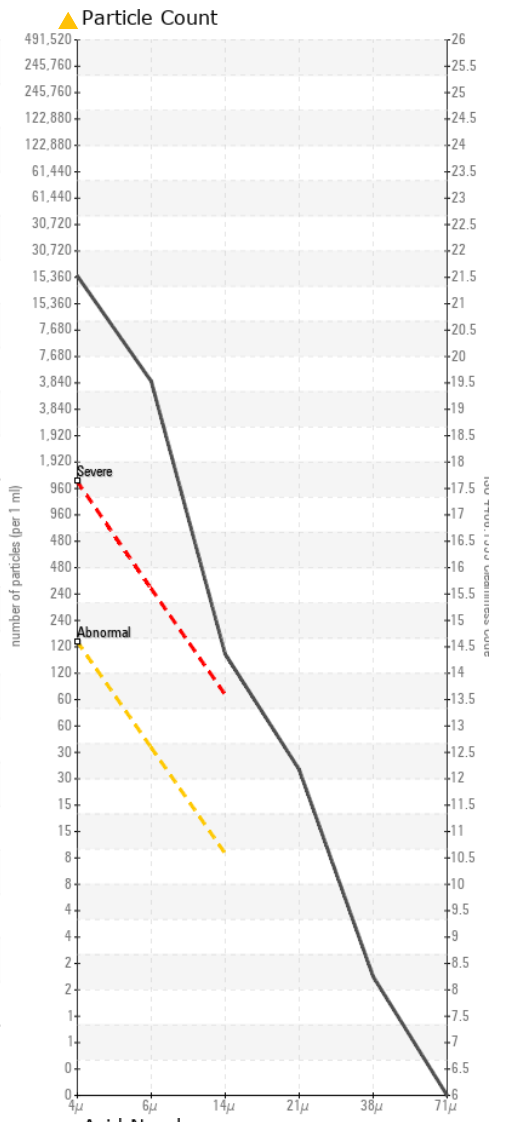
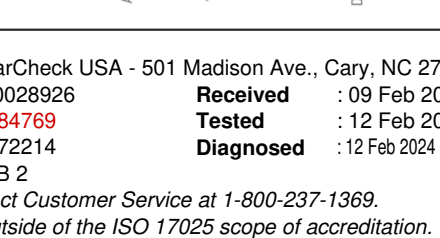
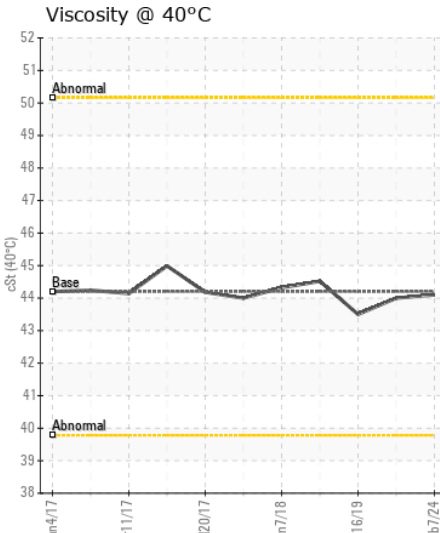
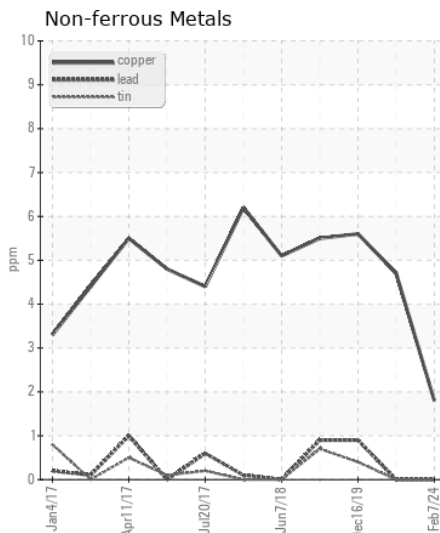
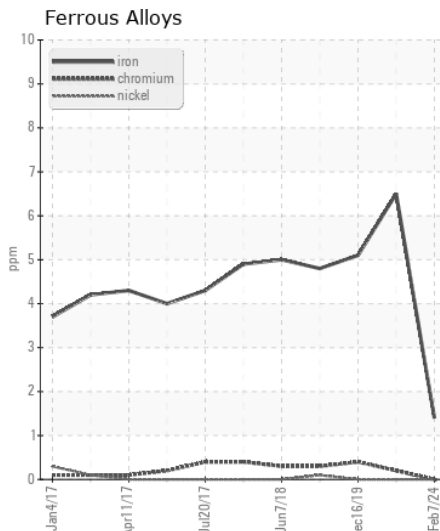
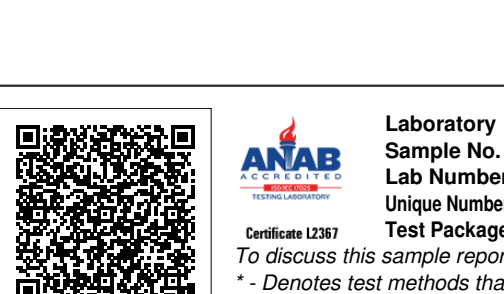
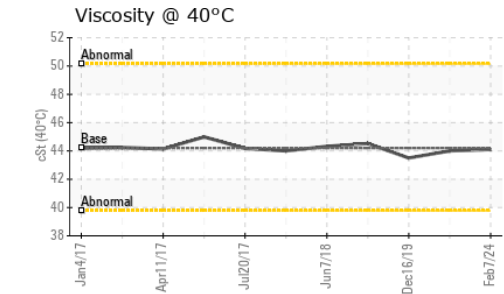
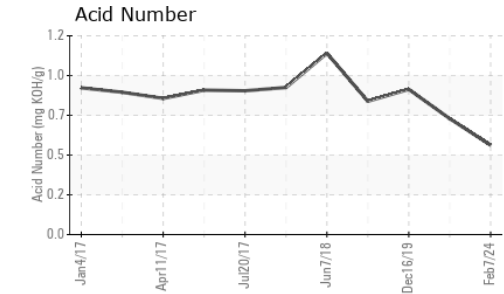
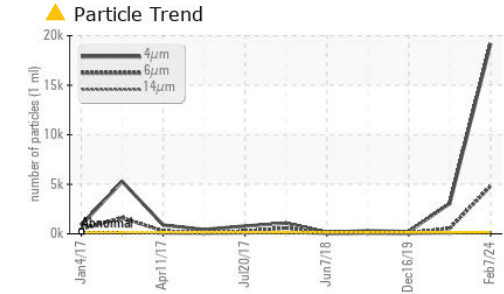
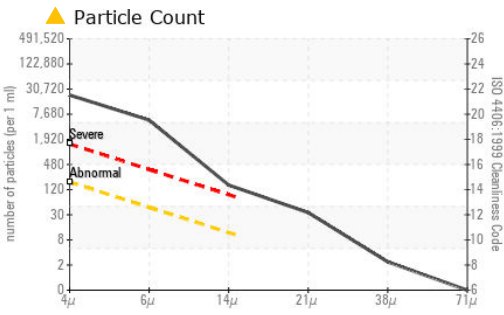
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	<1	2	5
Potassium	ppm	ASTM D5185m	>20	0	2	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>160	▲ 19191	● 3049	▲ 226
Particles >6µm		ASTM D7647	>40	▲ 4830	● 548	▲ 77
Particles >14µm		ASTM D7647	>10	▲ 136	▲ 46	9
Particles >21µm		ASTM D7647	>3	▲ 30	▲ 15	4
Particles >38µm		ASTM D7647	>3	2	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>14/12/10	▲ 21/19/14	● 19/16/13	▲ 15/13/10
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	>0.1	NEG	0.2%	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	<1	21
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		0	3	13
Calcium	ppm	ASTM D5185m		59	67	160
Phosphorus	ppm	ASTM D5185m		314	328	385
Zinc	ppm	ASTM D5185m		385	356	577
Sulfur	ppm	ASTM D5185m		1732	3094	4834
Acid Number (AN)	mg KOH/g	ASTM D8045		0.54	0.70	0.877
Visc @ 40°C	cSt	ASTM D445	44.2	44.1	44.0	43.5



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0028926 **Received** : 09 Feb 2024
Lab Number : 06084769 **Tested** : 12 Feb 2024
Unique Number : 10872214 **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)