



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**SANDER**  
Component  
**Hydraulic System**  
Fluid  
**MOBIL DTE 25 (100 LTR)**

## 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		<b>Y2K0001670</b>	Y2K0001210	Y2K0001429
Sample Date		Client Info		<b>16 Jan 2024</b>	11 Sep 2023	18 Jun 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>1</b>	0	0
Lead	ppm	ASTM D5185m	>10	<b>1</b>	0	<1
Copper	ppm	ASTM D5185m	>75	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

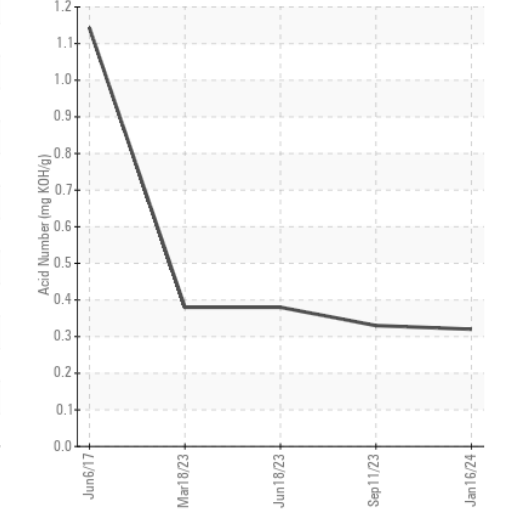
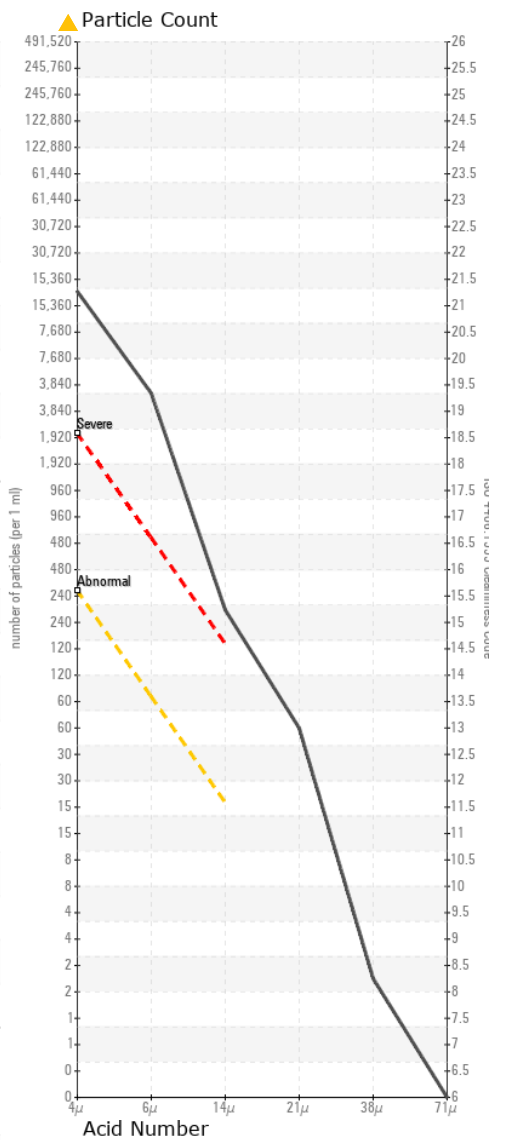
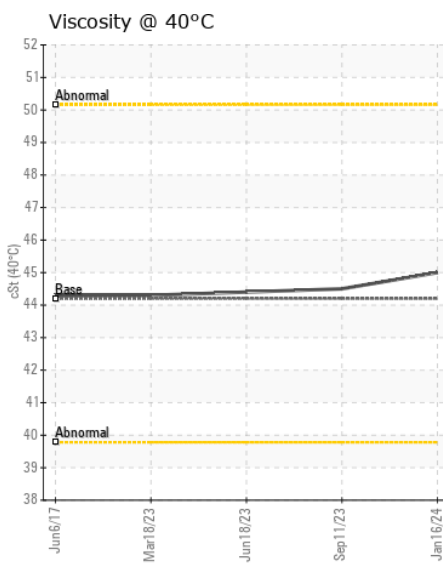
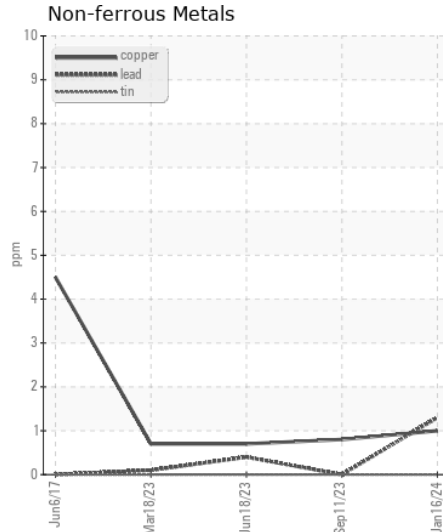
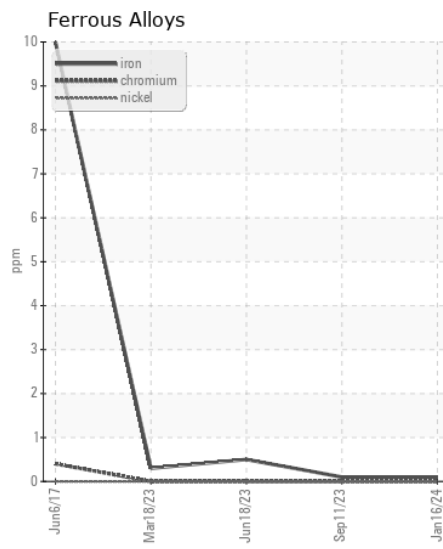
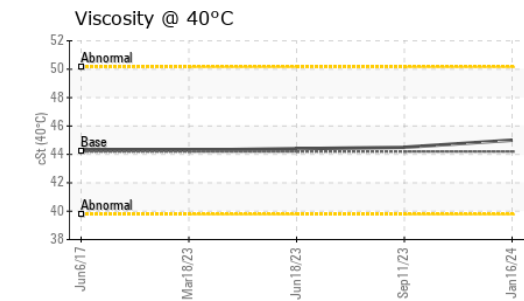
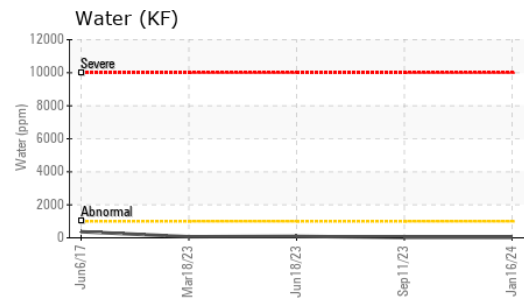
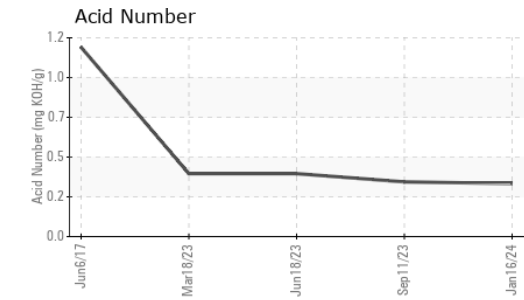
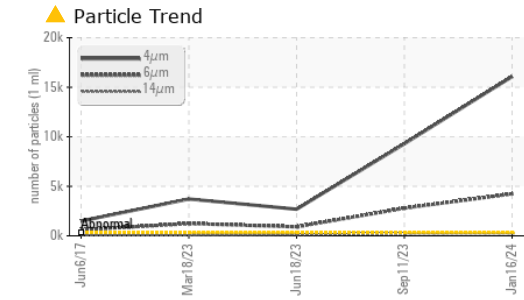
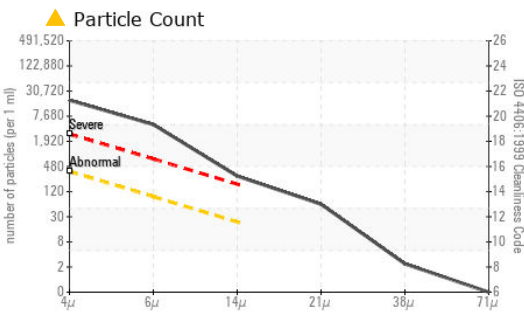
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	<1
Water	%	ASTM D6304	>0.1	<b>0.002</b>	0.002	0.009
ppm Water	ppm	ASTM D6304	>1000	<b>19</b>	21.0	90.2
Particles >4µm		ASTM D7647	>320	<b>▲ 16078</b>	▲ 9292	▲ 2687
Particles >6µm		ASTM D7647	>80	<b>▲ 4236</b>	▲ 2789	▲ 906
Particles >14µm		ASTM D7647	>20	<b>▲ 249</b>	▲ 222	▲ 134
Particles >21µm		ASTM D7647	>4	<b>▲ 53</b>	▲ 54	▲ 50
Particles >38µm		ASTM D7647	>3	<b>2</b>	▲ 3	▲ 6
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	1
Oil Cleanliness		ISO 4406 (c)	>15/13/11	<b>▲ 21/19/15</b>	▲ 20/19/15	▲ 19/17/14
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	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		<b>0</b>	2	0
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>4</b>	5	5
Calcium	ppm	ASTM D5185m		<b>57</b>	51	53
Phosphorus	ppm	ASTM D5185m		<b>364</b>	327	319
Zinc	ppm	ASTM D5185m		<b>426</b>	420	415
Sulfur	ppm	ASTM D5185m		<b>907</b>	865	917
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.32</b>	0.33	0.38
Visc @ 40°C	cSt	ASTM D445	44.2	<b>45.0</b>	44.5	44.4



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : Y2K0001670 **Received** : 17 Jan 2024  
**Lab Number** : 06062689 **Diagnosed** : 19 Jan 2024  
**Unique Number** : 10834071 **Diagnostician** : Don Baldrige  
**Test Package** : MOB 2 ( Additional Tests: KF )

**MASONITE**  
 1401 E 4TH ST  
 MARSHFIELD, WI  
 US 54449  
 Contact: JENN LUEPKE  
 jluepke@masonite.com  
 T: (715)486-2336  
 F:

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)