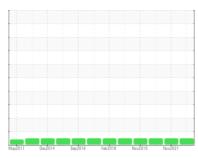


# **OIL ANALYSIS REPORT**

### **Sample Rating Trend**







### Machine Id A108 Component

## Hydraulic System

**MOBIL DTE 10 EXCEL 32 (43 GAL)** 

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

#### **Fluid Condition**

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MHI017161	MHI019129	MHI019276
Sample Date		Client Info		11 Nov 2022	23 Nov 2021	09 Nov 2020
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		91883	86031	79520
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	<1	3
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	5	2	2
Titanium	ppm	ASTM D5185m	7 2 3	0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead		ASTM D5185m	>20	1	0	1
Copper	ppm	ASTM D5185m	>20	0	0	<1
Tin		ASTM D5185m	>20	0	0	0
	ppm		>20		0	0
Antimony Vanadium	ppm	ASTM D5185m ASTM D5185m		0	0	0
	ppm					
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		2	0	<1
Calcium	ppm	ASTM D5185m	120	111	102	107
Phosphorus	ppm	ASTM D5185m	475	429	403	424
Zinc	ppm	ASTM D5185m		20	11	8
Sulfur	ppm	ASTM D5185m	1275	1664	1047	1156
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	<1	0	<1
Sodium	ppm	ASTM D5185m		3	1	1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.1	0.005	0.002	0.002
ppm Water	ppm	ASTM D6304		51.5	21.3	22.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	2337	2916	452
Particles >6µm		ASTM D7647	>1300	148	518	139
Particles >14μm		ASTM D7647	>160	8	14	22
Particles >21µm		ASTM D7647	>40	2	2	8
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/14/10	19/16/11	16/14/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**

