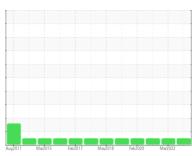


## **OIL ANALYSIS REPORT**

### Sample Rating Trend







# Machine Id **E312**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

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

#### **Fluid Condition**

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

Aug2011 Mar201S Feb.2017 May2018 Feb.2020 Mar2022						
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MHI025162	MHI017028	MHI017019
Sample Date		Client Info		23 Mar 2023	31 Mar 2022	02 Mar 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		87408	81821	75260
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	2	2	1
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>20	5	5	4
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<1	0	0
Lead	ppm	ASTM D5185m	>20	0	1	1
Copper	ppm	ASTM D5185m	>20	0	<1	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
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	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m	120	107	121	110
Phosphorus	ppm	ASTM D5185m	475	443	465	429
Zinc	ppm	ASTM D5185m		16	33	19
Sulfur	ppm	ASTM D5185m	1275	1439	1645	1373
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	0	2	0
Sodium	ppm	ASTM D5185m		1	1	2
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304	>0.1	0.004	0.003	0.005
ppm Water	ppm	ASTM D6304	>1000	47.0	37.4	59.3
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	904	886	1052
Particles >6µm		ASTM D7647	>1300	268	274	378
Particles >14µm		ASTM D7647	>160	20	33	64
Particles >21µm		ASTM D7647	>40	5	7	22
Particles >38µm		ASTM D7647	>10	1	0	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/11	17/15/12	17/16/13
FLUID DEGRADAT	ΓΙΟΝ	method	limit/base	current	history1	history2

Acid Number (AN)

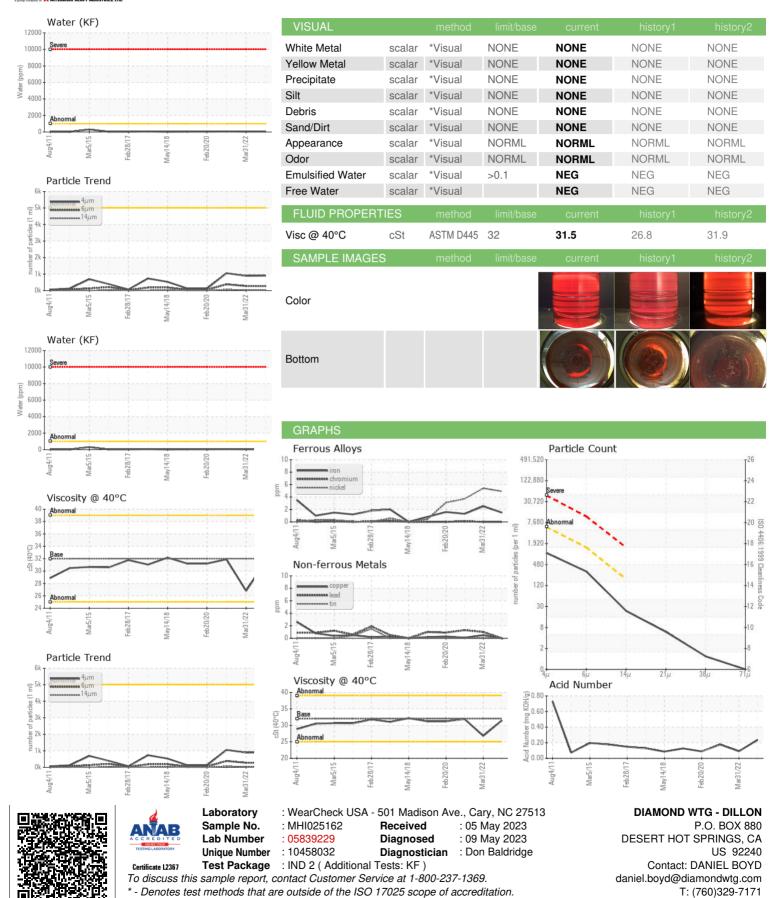
mg KOH/g ASTM D8045

0.09 0.176

Contact/Location: DANIEL BOYD - DIADIL



## **OIL ANALYSIS REPORT**



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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