

# **OIL ANALYSIS REPORT**

Sample Rating Trend



# Area Machine Id **TEST CELL A8** Component Hydraulic System Fluid MOBIL DTE 25 (--- GAL)

# DIAGNOSIS

### A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### 📥 Wear

The copper level is abnormal. All other 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 INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0690130	WC0553145	WC0502670
Sample Date		Client Info		10 Oct 2022	24 Sep 2021	16 Sep 2020
Machine Age	hrs	Client Info		3391	3391	0
Oil Age	hrs	Client Info		3391	3391	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	14	13	13
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>20	0	1	1
	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
	ppm	ASTM D5185m		<1	<1	0
	ppm	ASTM D5185m	>20	<1	0	<1
	ppm	ASTM D5185m	>20	<u> </u>	<b>▲</b> 61	<b>▲</b> 66
	ppm	ASTM D5185m	>20	0	0	0
	ppm	ASTM D5185m			0	<1
	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		5	4	5
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	2
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	0
•	ppm	ASTM D5185m		<1	<1	<1
•	ppm	ASTM D5185m		2	1	4
	ppm	ASTM D5185m		102	98	110
	ppm	ASTM D5185m		474	413	443
	ppm	ASTM D5185m		721	595	692
Sulfur	ppm	ASTM D5185m		7046	4499	5476
CONTAMINANTS		method	limit/base	current	history1	history2
	ppm	ASTM D5185m	>15	<1	<1	2
	ppm	ASTM D5185m		4	8	6
Potassium	ppm	ASTM D5185m	>20	1	0	<1
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>640	199	98	🔺 11745
Particles >6µm		ASTM D7647	>160	32	25	<b>1</b> 268
Particles >14µm		ASTM D7647	>20	5	0	17
Particles >21µm		ASTM D7647	>4	2	0	3
Particles >38µm		ASTM D7647	>3	0	0	0
Partialaa > 71um		ACTM D7647	. 0	0	0	0

ASTM D7647 >3

ISO 4406 (c) >16/14/11

0

15/12/10

Particles >71µm

**Oil Cleanliness** 

0

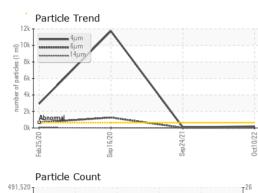
**2**1/17/11

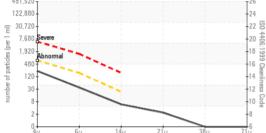
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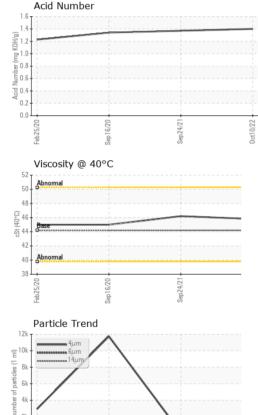
14/12/7



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FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.40	1.370	1.340
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
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	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.2	45.8	46.2	45.0
SAMPLE IMAGES		method	limit/base	current	history1	history2

Color

Bottom

GRAPHS

