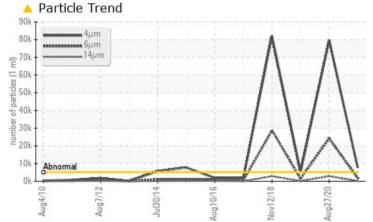




Machine Id **F-13** Component **Hydraulic System** Fluid **MOBIL DTE 10 EXCEL 32 (--- GAL)**

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Re-sample to verify the actual oil condition. Replace filter elements. Change oil if cleanliness level does not improve after replacing the filter(s).

Au					
PROBLEMATIC TEST RE	ESULTS				
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>5000	<u> </u>	▲ 79754	▲ 5209
Particles >6µm	ASTM D7647	>1300	<u> </u>	4 24200	1 428
Particles >14µm	ASTM D7647	>160	<u> </u>	A 2812	88
Oil Cleanliness	ISO 4406 (c)	>19/17/14	 20/18/15	🔺 23/22/19	🔺 20/18/14

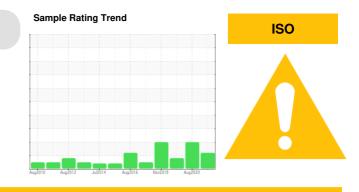
Customer Id: MITODO Sample No.: MHI025803 Lab Number: 05334789 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com



RECOMMENDE	D ACTIONS			
Action	Status	Date	Done By	Description
Change Filter			?	Re-sample to verify the actual oil condition. Replace filter elements. Change oil if cleanliness level does not improve after replacing the filter(s).
Resample			?	Re-sample to verify the actual oil condition. Replace filter elements. Change oil if cleanliness level does not improve after replacing the filter(s).

HISTORICAL DIAGNOSIS



27 Aug 2020 Diag: Don Baldridge

Re-sample to verify the actual oil condition. Replace filter elements. Change oil if cleanliness level does not improve after replacing the filter(s).All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid.



view report

17 Sep 2019 Diag: Don Baldridge



Re-sample to verify the actual oil condition. Replace filter elements. Change oil if cleanliness level does not improve after replacing the filter(s).All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid.

12 Nov 2018 Diag: Don Baldridge



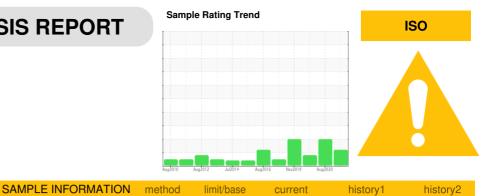
Re-sample to verify the actual oil condition. Replace filter elements. Change oil if cleanliness level does not improve after replacing the filter(s).All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid.







OIL ANALYSIS REPORT



current

Machine Id **F-13** Component **Hydraulic System** MOBIL DTE 10 EXCEL 32 (--- GAL)

DIAGNOSIS

A Recommendation

Re-sample to verify the actual oil condition. Replace filter elements. Change oil if cleanliness level does not improve after replacing the filter(s).

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

		methou	iiiiii/base	Current	TIISTOLA I	Thistory2
Sample Number		Client Info		MHI025803	MHI025573	MHI020034
Sample Date		Client Info		12 Aug 2021	27 Aug 2020	17 Sep 2019
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		88988	82763	75925
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
	_		11 1. 4			
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4	5	3
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m		2	2	1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		0	<1	<1
Lead	ppm	ASTM D5185m		0	<1	3
Copper	ppm	ASTM D5185m		<1	<1	<1
Tin	ppm	ASTM D5185m		0	0	0
Antimony	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
			minubase			
Boron	ppm	ASTM D5185m		1	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		98	102	100
Phosphorus	ppm	ASTM D5185m		392	412	415
Zinc	ppm	ASTM D5185m		76	101	97
Sulfur	ppm	ASTM D5185m		1863	2056	2088
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	0	1	<1
Sodium	ppm	ASTM D5185m	2100	1	1	2
Potassium	ppm	ASTM D5185m	>20	0	0	4
Water	%	ASTM D510301		0.007	0.005	0.007
ppm Water	ppm	ASTM D6304		79.4	50.9	72.6
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>	▲ 79754	▲ 5209
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u> </u>	1 428
Particles >14µm		ASTM D7647	>160	<u> </u>	A 2812	88
Particles >21µm		ASTM D7647	>40	45	4 937	15
Particles >38µm		ASTM D7647	>10	0	A 32	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>	A 23/22/19	▲ 20/18/14
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.074	0.142	0.171

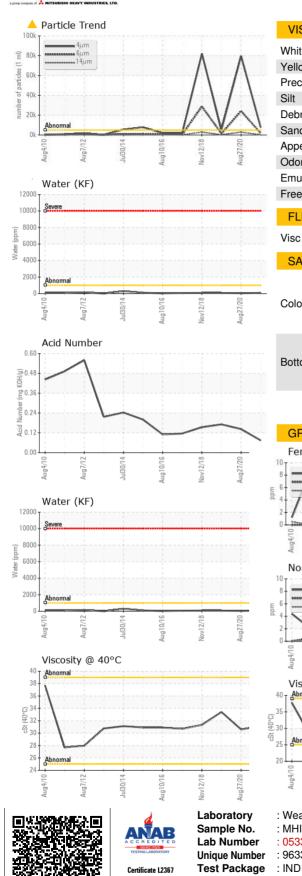
limit/base

Report Id: MITODO [WUSCAR] 05334789 (Generated: 12/01/2023 00:46:52) Rev: 1

Contact/Location: GARY GRANT - MITODO

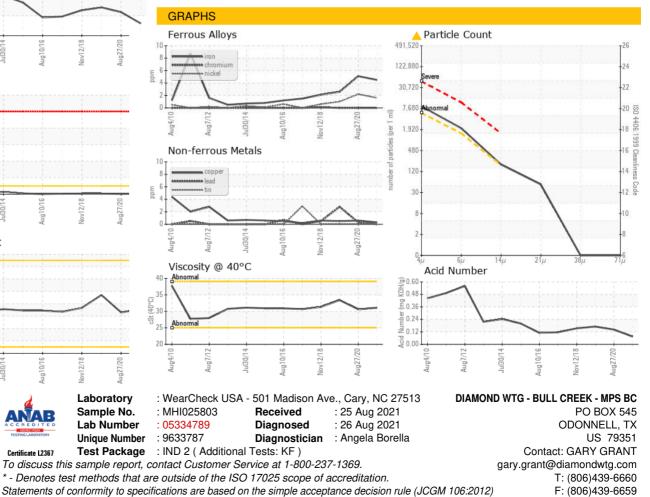


OIL ANALYSIS REPORT



			11 1.0			
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	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	LIGHT	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	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
FLUID PROPERT Visc @ 40°C	IES cSt	method ASTM D445	limit/base	current 31.1	history1 30.6	history2 33.4
	cSt		limit/base limit/base			
Visc @ 40°C	cSt	ASTM D445		31.1	30.6	33.4





Contact/Location: GARY GRANT - MITODO