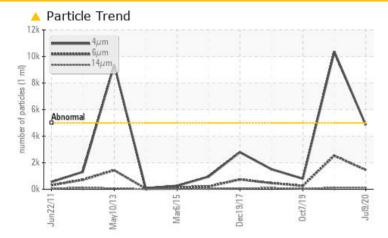




Machine Id **A-23** Component Hydraulic System Fluid MOBIL DTE 10 EXCEL 32 (165 LTR)

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).

PROBLEMATIC TES	T RESULTS				
Sample Status			ABNORMAL	ABNORMAL	NORMAL
Particles >6µm	ASTM D7647	>1300	🔺 1455	A 2531	255
Oil Cleanliness	ISO 4406 (c)	>19/17/14	19/18/14	🔺 21/19/14	17/15/12

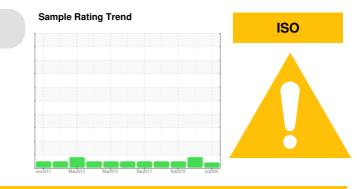
Customer Id: MITSANNM Sample No.: MHI023554 Lab Number: 05023609 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

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



RECOMMENDE	O ACTIONS			
Action	Status	Date	Done By	Description
Change Filter			?	Re-sample to verify the actual oil condition oil if cleanliness level does not improve a
Resample			?	Re-sample to verify the actual oil condition oil if cleanliness level does not improve a

ion. Replace filter elements. Change after replacing the filter(s).

ion. Replace filter elements. Change after replacing the filter(s).

HISTORICAL DIAGNOSIS



15 Jan 2020 Diag: Doug Bogart

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 silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid.



view report

07 Oct 2019 Diag: Don Baldridge



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

12 Mar 2019 Diag: Don Baldridge





Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.







OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend



history2

history1

current

limit/base

A-23
Component
Hydraulic System
MOBIL DTE 10 EXCEL 32 (165 LTR)
DIAGNOSIS

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

Machine Id

All component wear rates are normal.

Contamination

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

Fluid Condition

The AN level is acceptable for this fluid.

Sample Number		Client Info		MHI023554	MHI018518	MHI0482614
Sample Date		Client Info		09 Jul 2020	15 Jan 2020	07 Oct 2019
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		95360	91747	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	4	4
Chromium	ppm	ASTM D5185m		0	0	<1
Nickel	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m		0	0	<1
Lead	ppm	ASTM D5185m		<1	1	4
Copper	ppm	ASTM D5185m		<1	2	<1
Tin	ppm	ASTM D5185m		0	<1	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
Boron	ppm	ASTM D5185m		<1	<1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m		92	113	134
Phosphorus	ppm	ASTM D5185m		419	475	532
Zinc	ppm	ASTM D5185m		32	40	24
Sulfur	ppm	ASTM D5185m		1287	1335	808
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	3	1	0
Sodium	ppm	ASTM D5185m		0	2	2
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.1	0.004	0.003	0.004
ppm Water	ppm	ASTM D6304	>1000	45.8	37.9	43.3
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	4839	10364	797
Particles >6µm		ASTM D7647	>1300	🔺 1455	A 2531	255
Particles >14µm		ASTM D7647	>160	124	116	32
Particles >21µm		ASTM D7647	>40	27	34	6
Particles >38µm		ASTM D7647	>10	0	4	0
Particles >71µm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	1 9/18/14	▲ 21/19/14	17/15/12
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.14	0.106	0.107
:00:49) Boy: 1			Contao	t/Location: BOE		

Report Id: MITSANNM [WUSCAR] 05023609 (Generated: 07/19/2023 05:00:49) Rev: 1

Contact/Location: BOBBY VILLANUEVA - MITSANNM



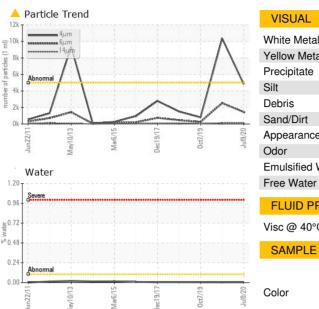
Acid Number

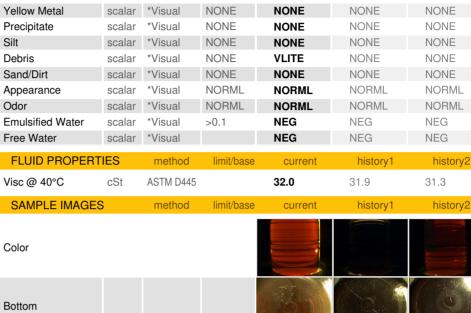
OIL ANALYSIS REPORT

scalar

method

*Visual





limit/base

NONE

current

NONE

history1

NONE

history2

NONE

Bottom

