

PROBLEM SUMMARY

Sample Rating Trend

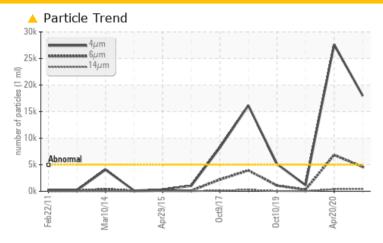
ISO

Machine Id A-73
Component

Hydraulic System

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 TE	ST RESULTS				
Sample Status			ABNORMAL	ABNORMAL	NORMAL
Particles >4µm	ASTM D7647	>5000	<u> </u>	<u>^</u> 27616	1135
Particles >6µm	ASTM D7647	>1300	4591	△ 6830	297
Particles >14µm	ASTM D7647	>160	420	△ 394	22
Particles >21µm	ASTM D7647	>40	106	<u> 102</u>	15
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<u>^</u> 21/19/16	22/20/16	17/15/12

Customer Id: MITSANNM Sample No.: MHI023548 Lab Number: 04983827 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

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

RECOMMENDED 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

20 Apr 2020 Diag: Jonathan Hester

ISO



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.



25 Nov 2019 Diag: Jonathan Hester

NORMAL



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

view report

10 Oct 2019 Diag: Doug Bogart

ISO



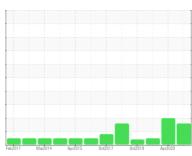
Re-sample to verify the actual oil condition. Replace filter elements. Change oil if cleanliness level does not improve after replacing the filter(s). Please note that this is a corrected copy for diagnostic comment updates. All component wear rates are normal. There is a high amount of silt (particulates < 6 microns in size) present in the oil. The AN level is acceptable for this fluid.





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
A-73
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

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORM	IACITAL					
Cample Number	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MHI023548	MHI017900	MHI019041
Sample Date		Client Info		12 May 2020	20 Apr 2020	25 Nov 2019
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		93159	92693	89619
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
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		<1	0	<1
Nickel	ppm	ASTM D5185m		3	1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m		0	0	0
Lead	ppm	ASTM D5185m		<1	<1	<1
Copper	ppm	ASTM D5185m		<1	2	<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
Boron	ppm	ASTM D5185m		<1	45	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m		69	65	70
Phosphorus	ppm	ASTM D5185m		427	418	461
Zinc	ppm	ASTM D5185m		16	17	15
Sulfur	ppm	ASTM D5185m		1258	1206	1386
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	<1	0	<1
Sodium	ppm	ASTM D5185m		0	2	0
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Water	%	ASTM D6304	>0.1	0.004	0.003	0.002
ppm Water	ppm	ASTM D6304	>1000	49.9	36.2	26.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	17985	<u></u> 27616	1135
Particles >6µm		ASTM D7647	>1300	4591	△ 6830	297
Particles >14µm		ASTM D7647	>160	420	△ 394	22
•		ASTM D7647	>40	<u> </u>	<u></u> 102	15
Particles >21µm		ASTM D7647	>10	6	▲ 13	1
Particles >21µm Particles >38µm		7101111 27017				
•		ASTM D7647	>3	1	1	0
Particles >38μm				1 ^ 21/19/16	1 ^ 22/20/16	0 17/15/12

Contact/Location: BOBBY VILLANUEVA - MITSANNM

0.080



OIL ANALYSIS REPORT

