PROBLEM SUMMARY



Machine Id **F-11** 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).

PROBLEMATIC TEST RESULTS

THOBEEN THO TEOT	HEOGEIG				
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>5000	<u> </u>	28344	▲ 88432
Particles >6µm	ASTM D7647	>1300	6143	🔺 10669	A 31411
Particles >14µm	ASTM D7647	>160	<u> </u>	1 382	<u> </u>
Particles >21µm	ASTM D7647	>40	<u> </u>	4 42	4 32
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<u> </u>	<u> </u>	<u> </u>

Customer Id: MITODO Sample No.: MHI025782 Lab Number: 05334788 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



28 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 high amount of particulates present in the oil. The AN level is acceptable for this fluid.

17 Aug 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

Sample Rating Trend ISO

Machine Id F-11 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 particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MHI025782	MHI025621	MHI020094
Sample Date		Client Info		16 Aug 2021	28 Aug 2020	17 Sep 2019
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		83333	81476	75770
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	6	4	3
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m		2	1	2
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		0	0	<1
Lead	ppm	ASTM D5185m		<1	<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	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		98	105	103
Phosphorus	ppm	ASTM D5185m		391	416	413
Zinc	ppm	ASTM D5185m		84	87	85
Sulfur	ppm	ASTM D5185m		1862	1955	1945
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	0	<1	1
Sodium	ppm	ASTM D5185m		1	1	2
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.1	0.008	0.004	0.007
ppm Water	ppm	ASTM D6304	>1000	81.2	45.3	72.2
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	26866	A 28344	▲ 88432
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u> </u>	A 31411
Particles >14µm		ASTM D7647	>160	<u> </u>	1 382	A 2141
Particles >21µm		ASTM D7647	>40	A 133	<u> </u>	4 32
Particles >38µm		ASTM D7647	>10	6	1 9	8
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 22/20/16	<u>22/21/18</u>	<u> </u>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	ma KOH/a	ASTM D8045		0.120	0.115	0.119

Report Id: MITODO [WUSCAR] 05334788 (Generated: 09/27/2023 00:06:21) Rev: 1

Contact/Location: GARY GRANT - MITODO



Acid Number

0.80

OIL ANALYSIS REPORT

scalar

scalar

scalar

method

*Visual

*Visual

*Visual

scalar *Visual







limit/base

NONE

NONE

NONE

NONE

current

NONE

NONE

NONE

NONE

history1

NONE

NONE

NONE

NONE

history2

NONE

NONE

NONE

NONE

Bottom

Color

VISUAL

White Metal

Yellow Metal

Precipitate

Silt

Debris

Odor



Contact/Location: GARY GRANT - MITODO