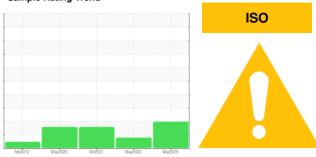


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
H-07

Component Hydraulic System

MOBIL DTE 10 EXCEL 32 (45 GAL)

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). We recommend you service the filters on this component.

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	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MHI020610	MHI021526	MHI017126
Sample Date		Client Info		21 Mar 2024	24 May 2023	22 Oct 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	MARGINAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	7	4	17
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	2	0
Lead	ppm	ASTM D5185m	>20	0	<1	1
Copper	ppm	ASTM D5185m	>20	0	<1	<1
Tin	ppm	ASTM D5185m	>20	<1	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		3	1	2
Calcium	ppm	ASTM D5185m	120	120	94	132
Phosphorus	ppm	ASTM D5185m	475	366	181	482
Zinc	ppm	ASTM D5185m		48	0	13
Sulfur	ppm	ASTM D5185m	1275	1553	848	1249
CONTAMINANTS	1	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	<1	<1	<1
Sodium	ppm	ASTM D5185m		3	0	<1
Potassium	ppm	ASTM D5185m	>20	2	1	0
Water	%	ASTM D6304	>0.1	0.004	0.008	0.004
ppm Water	ppm	ASTM D6304	>1000	43	85	40.2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u>▲</u> 30044	△ 6293	2 9677
Particles >6µm		ASTM D7647	>1300	<u> </u>	420	▲ 3900
Particles >14µm		ASTM D7647	>160	▲ 374	33	<u>^</u> 292
D 11 1 21		ASTM D7647	>40	<u>^</u> 76	14	△ 67
Particles >21µm				_	4	
Particles >21µm Particles >38µm		ASTM D7647	>10	3	1	2
·		ASTM D7647 ASTM D7647		3 1	0	0
Particles >38μm						



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number

: MHI020610 : 06204605 Unique Number : 11072066

Received : 10 Jun 2024 **Tested** : 11 Jun 2024

Diagnosed : 12 Jun 2024 - Doug Bogart Test Package : IND 2 (Additional Tests: KF)

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

US 79097 Contact: WESLEY CAMPBELL wesley.campbell@diamondwtg.com T: (806)883-1051

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

PO BOX 872

WHITE DEER, TX

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