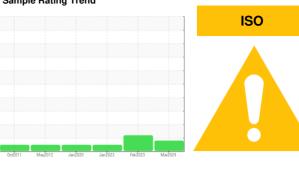


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **C-05**

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).

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

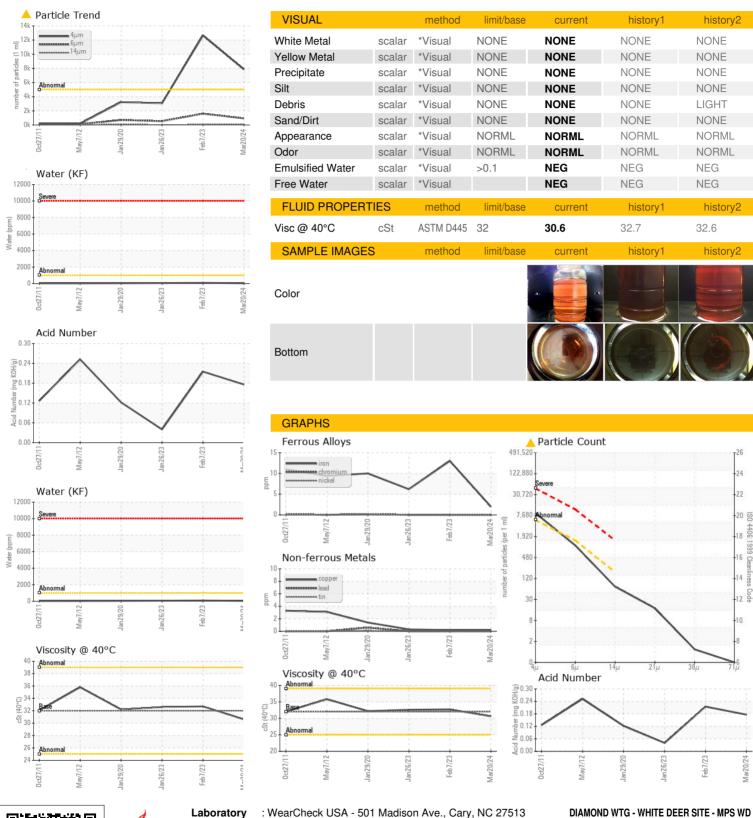
Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MHI021586	MHI021755	MHI021644
Sample Date		Client Info		20 Mar 2024	07 Feb 2023	26 Jan 2023
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	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	13	6
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Antimony	ppm	ASTM D5185m				
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		0	0	0
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		1	4	2
Calcium	ppm	ASTM D5185m	120	98	120	103
Phosphorus	ppm	ASTM D5185m	475	188	421	244
Zinc	ppm	ASTM D5185m		12	20	6
Sulfur	ppm	ASTM D5185m	1275	921	1658	1074
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	<1	0	0
Sodium	ppm	ASTM D5185m		2	<1	<1
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water	%	ASTM D6304	>0.1	0.004	0.008	0.006
ppm Water	ppm	ASTM D6304	>1000	48	87.3	63.4
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u>^</u> 7844	<u>12645</u>	3081
Particles >6µm		ASTM D7647		938	1602	541
Particles >14μm		ASTM D7647	>160	62	50	27
Particles >21μm		ASTM D7647	>40	15	11	8
Particles >38μm		ASTM D7647	>10	1	0	1
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>20/17/13</u>	<u>\$\text{\Delta}\$ 21/18/13</u>	19/16/12



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No. Lab Number

: MHI021586 : 06204604 Unique Number : 11072065

Received **Tested**

: 12 Jun 2024 Diagnosed : 12 Jun 2024 - Doug Bogart

: 10 Jun 2024

Test Package : IND 2 (Additional Tests: KF)

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

WHITE DEER, TX US 79097 Contact: WESLEY CAMPBELL

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Report Id: MITWHI [WUSCAR] 06204604 (Generated: 06/12/2024 12:27:26) Rev: 1

Contact/Location: WESLEY CAMPBELL - MITWHI

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