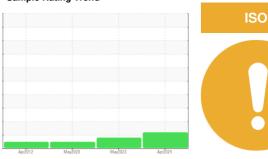


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
H-05

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).

Wear

All component wear rates are normal.

Contamination

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

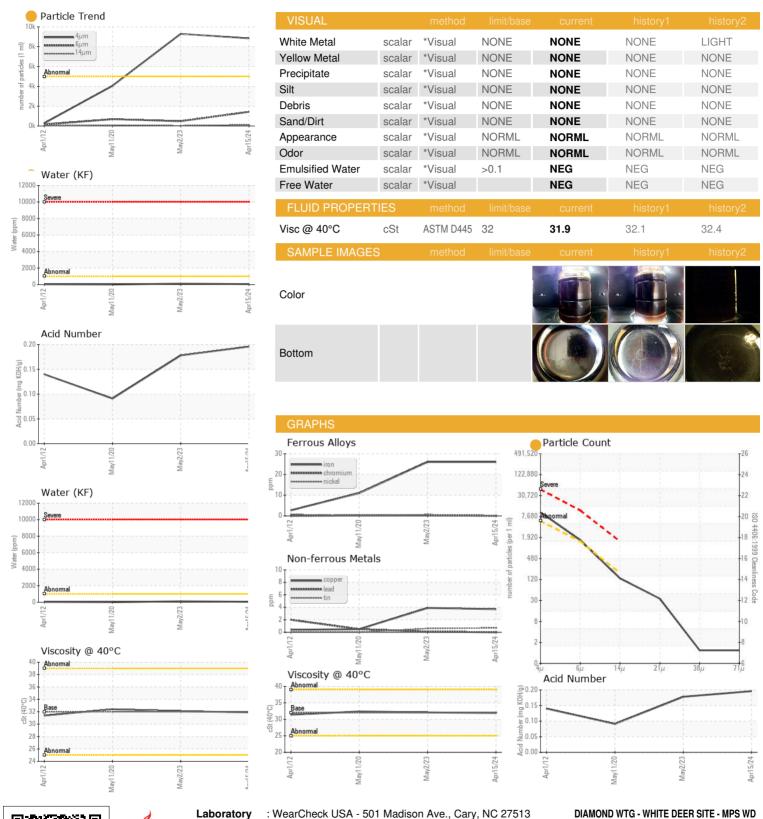
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Apr201	2 May2020	May2023 A	pr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MHI026460	MHI021614	MHI022658
Sample Date		Client Info		15 Apr 2024	02 May 2023	11 May 2020
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	8018
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ATTENTION	MARGINAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	26	26	11
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>20	<1	<1	0
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	4	4	<1
Tin	ppm	ASTM D5185m	>20	<1	<1	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	<1
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		2	2	4
Calcium	ppm	ASTM D5185m	120	116	106	126
Phosphorus	ppm	ASTM D5185m	475	346	315	447
Zinc	ppm	ASTM D5185m		31	3	16
Sulfur	ppm	ASTM D5185m	1275	1511	1191	1407
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	1	1	2
Sodium	ppm	ASTM D5185m		3	1	1
Potassium	ppm	ASTM D5185m	>20	2	1	0
Water	%	ASTM D6304	>0.1	0.005	0.011	0.001
ppm Water	ppm	ASTM D6304	>1000	57	116	9.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	8846	△ 9294	4051
Particles >6µm		ASTM D7647	>1300	<u> </u>	483	684
Particles >14μm		ASTM D7647	>160	114	25	67
Particles >21μm		ASTM D7647	>40	30	9	18
Particles >38μm		ASTM D7647	>10	1	0	1
Particles >71μm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/14	△ 20/16/12	19/17/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No. Lab Number Unique Number : 11072060

: MHI026460 : 06204599

Test Package : IND 2 (Additional Tests: KF)

Received : 10 Jun 2024 **Tested**

: 11 Jun 2024

Diagnosed : 12 Jun 2024 - Angela Borella

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

Contact/Location: WESLEY CAMPBELL - MITWHI

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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (806)883-2004

Report Id: MITWHI [WUSCAR] 06204599 (Generated: 06/12/2024 17:41:30) Rev: 1

PO BOX 872

US 79097

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