

OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
C-08
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.

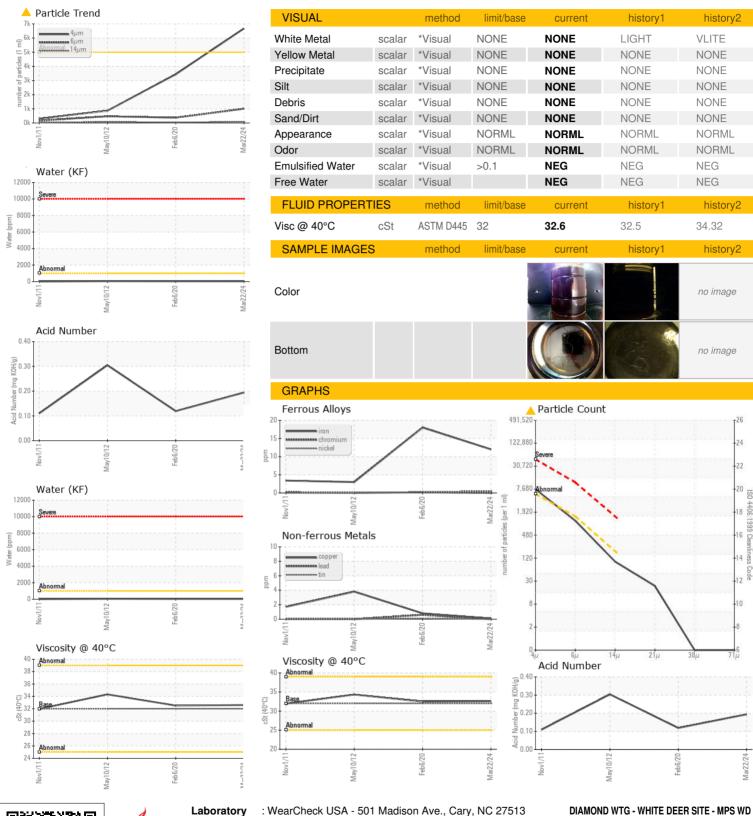
Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MHI021771	MHI022960	RP107827
Sample Date		Client Info		22 Mar 2024	06 Feb 2020	10 May 2012
Machine Age	hrs	Client Info		0	0	67995
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	12	18	3
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	<1	<1	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	<1	0
Copper	ppm	ASTM D5185m	>20	<1	<1	4
Tin	ppm	ASTM D5185m	>20	0	<1	0
Antimony	ppm	ASTM D5185m			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		0	<1	0
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		3	6	0
Calcium	ppm	ASTM D5185m	120	121	142	119
Phosphorus	ppm	ASTM D5185m	475	424	411	580
Zinc	ppm	ASTM D5185m		31	33	27
Sulfur	ppm	ASTM D5185m	1275	1651	1425	1521
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	<1	2	0
Sodium	ppm	ASTM D5185m		3	<1	1
Potassium	ppm	ASTM D5185m	>20	2	0	16
Water	%	ASTM D6304	>0.1	0.003	0.003	0.005
ppm Water	ppm	ASTM D6304	>1000	27	33.4	50
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>	3438	865
Particles >6µm		ASTM D7647		1004	373	471
Particles >14μm		ASTM D7647	>160	86	39	80
Particles >21µm		ASTM D7647		20	13	27
Particles >38μm		ASTM D7647	>10	0	1	4
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>20/17/14</u>	19/16/12	17/16/13



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Certificate 12367

Laboratory

Sample No. Lab Number

: MHI021771 : 06204607 Unique Number : 11072068

Tested : 11 Jun 2024 Diagnosed

Received

: 10 Jun 2024

: 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. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. PO BOX 872

WHITE DEER, TX US 79097

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: MITWHI [WUSCAR] 06204607 (Generated: 06/12/2024 12:27:37) Rev: 2

Contact/Location: WESLEY CAMPBELL - MITWHI