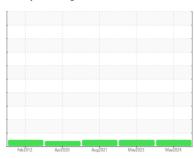


OIL ANALYSIS REPORT

Sample Rating Trend







F-10

Component Hydraulic System

MOBIL DTE 10 EXCEL 32 (45 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

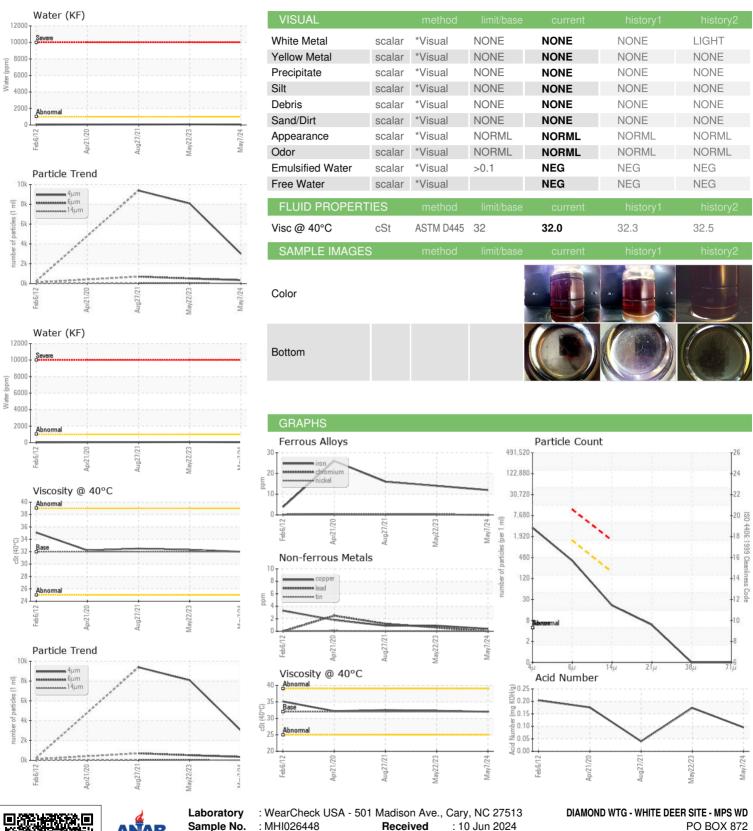
Fluid Condition

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

		1602012	PIPIZOZO	May2023	may2027	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MHI026448	MHI021529	MHI019994
Sample Date		Client Info		07 May 2024	22 May 2023	27 Aug 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				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	12	14	16
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>20	<1	0	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	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Antimony	ppm	ASTM D5185m				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	0	<1
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		2	2	2
Calcium	ppm	ASTM D5185m	120	115	129	144
Phosphorus	ppm	ASTM D5185m	475	388	399	527
Zinc	ppm	ASTM D5185m		22	0	0
Sulfur	ppm	ASTM D5185m	1275	1579	1533	1290
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	<1	<1	<1
Sodium	ppm	ASTM D5185m		3	0	2
Potassium	ppm	ASTM D5185m	>20	2	1	<1
Water	%	ASTM D6304	>0.1	0.005	0.007	0.005
ppm Water	ppm	ASTM D6304	>1000	55	76	57.3
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		2999	8071	9382
Particles >6µm		ASTM D7647	>1300	345	511	700
Particles >14μm		ASTM D7647	>160	18	37	65
Particles >21µm		ASTM D7647	>40	5	12	21
Particles >38µm		ASTM D7647	>10	0	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/14	19/16/11	20/16/12	20/17/13
FLUID DEGRADA	ATION_	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Lab Number

: 06204597

Unique Number : 11072058 Test Package : IND 2 (Additional Tests: KF)

: MHI026448

Received **Tested** Diagnosed

: 11 Jun 2024

: 12 Jun 2024 - Angela Borella

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

 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 Contact/Location: WESLEY CAMPBELL - MITWHI

WHITE DEER, TX