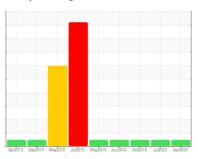


# **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id
CHW-046
Component
Hydraulic System

Fluid

MOBIL DTE 10 EXCEL 32 (--- GAL)

#### 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 component. The amount and size of particulates present in the system is acceptable.

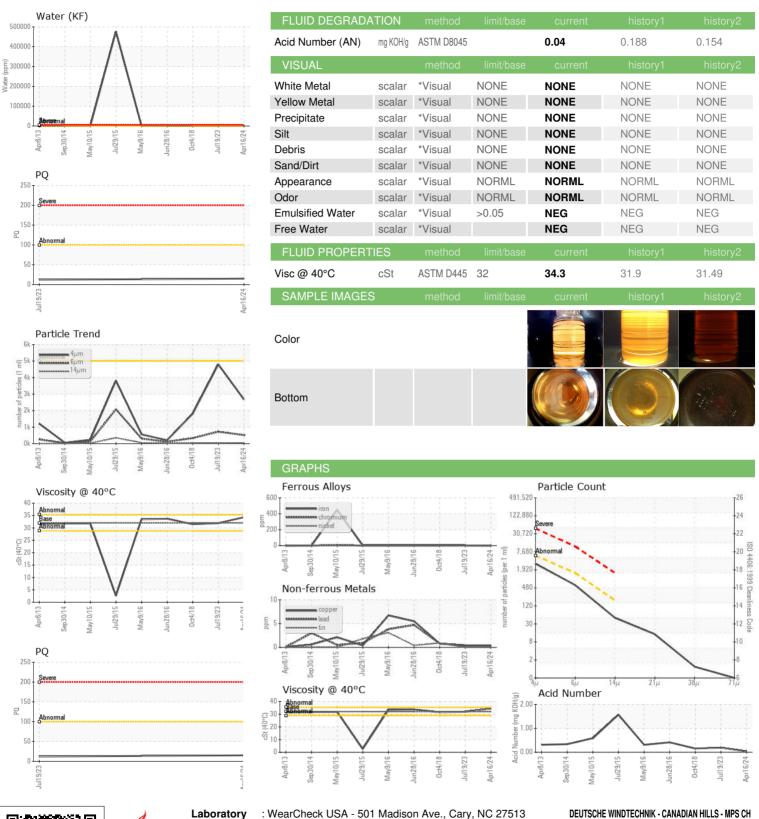
### **Fluid Condition**

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

Apr2013 Sep2014 May2015 Ju2015 May2016 Jun2016 Oc2018 Ju2023 Apr2024						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0925988	WC0809828	MHI143405
Sample Date		Client Info		16 Apr 2024	19 Jul 2023	04 Oct 2018
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
PQ		ASTM D8184		15	12	
Iron	ppm	ASTM D5185m	>20	<1	2	4
Chromium	ppm	ASTM D5185m	>20	0	0	<1
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	<1	0
Lead	ppm	ASTM D5185m	>20	0	<1	<1
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	0	<1
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	0
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m	120	96	99	118
Phosphorus	ppm	ASTM D5185m	475	198	243	474
Zinc	ppm	ASTM D5185m		8	7	37
Sulfur	ppm	ASTM D5185m	1275	886	855	1318
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	<1	<1
Sodium	ppm	ASTM D5185m		2	0	3
Potassium	ppm	ASTM D5185m	>20	<1	0	6
Water	%	ASTM D6304	>0.05	0.005	0.003	0.004
ppm Water	ppm	ASTM D6304	>500	56	39.1	40
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2674	4797	1813
Particles >6μm		ASTM D7647	>1300	515	722	333
Particles >14µm		ASTM D7647	>1600	42	32	31
Particles >21µm		ASTM D7647		12	9	9
Particles >38µm		ASTM D7647	>10	1	1	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/13	19/17/12	18/16/12
On Oleanilliess		100 4400 (0)	/13/11/14	19/10/13	13/11/12	10/10/12



## OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No. Lab Number Unique Number : 10995792

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0925988 : 06160369

Received

: 25 Apr 2024 **Tested** Diagnosed Test Package : IND 2 (Additional Tests: KF, PQ)

: 26 Apr 2024 : 27 Apr 2024 - Don Baldridge 14730 EDMOND RD NW CALUMET, OK US 73014

Contact: ANGEL LAUZARA a.lauzara@deutsche-windtechnik.com

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)

Report Id: MITCAL [WUSCAR] 06160369 (Generated: 04/27/2024 10:35:19) Rev: 1

Contact/Location: ANGEL LAUZARA - MITCAL

T:

F: