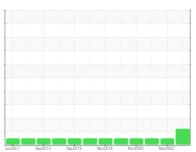


OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL



Machine Id C102 Component

Hydraulic System

MOBIL DTE 10 EXCEL 32 (43 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). We were unable to perform a particle count due to metal particles present in this sample.

Wear

Moderate concentration of visible metal present. All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

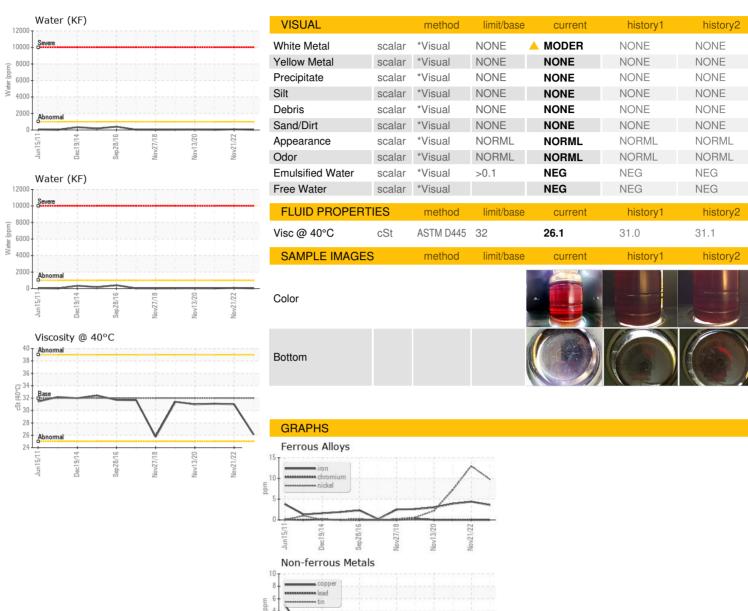
Juni2011 Dec2014 Sep2016 Nov2018 Nov2020 Nov2022						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MHI026238	MHI019146	MHI019134
Sample Date		Client Info		01 Dec 2023	21 Nov 2022	02 Dec 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		26238	89280	83696
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4	4	4
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	10	13	7
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	<1	<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	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m	120	101	110	121
Phosphorus	ppm	ASTM D5185m	475	391	438	501
Zinc	ppm	ASTM D5185m		30	34	28
Sulfur	ppm	ASTM D5185m	1275	1244	1730	1517
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	0	<1	<1
Sodium	ppm	ASTM D5185m		2	2	2
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.1	0.003	0.008	0.003
ppm Water	ppm	ASTM D6304	>1000	32	80.3	27.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000		1092	247
Particles >6µm		ASTM D7647	>1300		208	69
Particles >14µm		ASTM D7647	>160		34	23
Particles >21µm		ASTM D7647	>40		14	13
Particles >38μm		ASTM D7647	>10		2	2
Particles >71μm		ASTM D7647	>3		1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14		17/15/12	15/13/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

0.13

0.08



OIL ANALYSIS REPORT







Laboratory

Sample No. Lab Number **Unique Number**

(40°C)

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: MHI026238 : 06054894

: 10820843

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 08 Jan 2024 Recieved

Diagnosed : 10 Jan 2024 Diagnostician : Jonathan Hester

Vov21/22

Nov21/22

Acid Number

₩ 0.40

0.00 PG

Test Package : IND 2 (Additional Tests: KF, PQ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

Viscosity @ 40°C

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

DIAMOND WTG - DILLON

P.O. BOX 880 DESERT HOT SPRINGS, CA

US 92240 Contact: DANIEL BOYD

F: (760)329-7122

daniel.boyd@diamondwtg.com T: (760)329-7171

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)