



#### Sample Rating Trend

ISO



## DIAGNOSIS

### A Recommendation

Replace filter element and resample at later date. In case already attempted and cleanliness was not improved then proceed to replace oil.

## Wear

All component wear rates are normal.

## Contamination

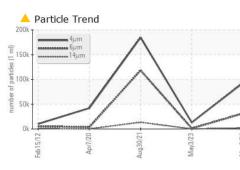
There is a high amount of particulates present in the oil.

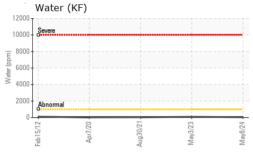
#### Fluid Condition

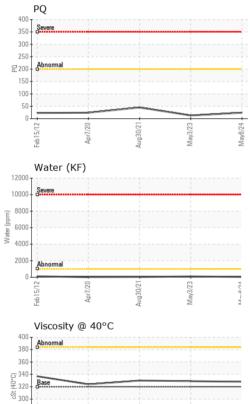
The AN level is acceptable for this fluid.

SAMPLE INFORMA	TION	method	limit/base	current	history1	history2
Sample Number		Client Info		MHI026419	MHI021626	MHI019988
Sample Date		Client Info		08 May 2024	03 May 2023	30 Aug 2021
	nrs	Client Info		0	0	0
•	nrs	Client Info		0	0	0
Oil Changed	110	Client Info		N/A	0 N/A	0 N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>200	24	13	45
lron p	opm	ASTM D5185m	>200	10	12	18
Chromium p	opm	ASTM D5185m	>3	0	<1	0
Nickel p	opm	ASTM D5185m	>3	<1	0	<1
Titanium p	opm	ASTM D5185m	>10	0	<1	0
Silver	pm	ASTM D5185m		0	0	0
	opm	ASTM D5185m	>30	<1	2	0
	pm	ASTM D5185m	>15	0	0	0
-	pm	ASTM D5185m	>75	4	5	5
	pm	ASTM D5185m	>10	<1	0	0
	opm	ASTM D5185m	>5			0
	pm	ASTM D5185m		0	0	0
Cadmium p	opm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron p	opm	ASTM D5185m		0	0	<1
Barium p	opm	ASTM D5185m		2	0	0
Molybdenum p	opm	ASTM D5185m		<1	2	3
Manganese p	opm	ASTM D5185m		<1	0	0
Magnesium p	opm	ASTM D5185m	90	6	8	2
Calcium p	opm	ASTM D5185m		3	3	0
Phosphorus p	opm	ASTM D5185m		52	36	65
Zinc p	opm	ASTM D5185m		8	0	0
Sulfur p	opm	ASTM D5185m		18644	19928	13470
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon p	opm	ASTM D5185m	>+30	<1	1	<1
Sodium p	opm	ASTM D5185m		1	0	0
Potassium p	pm	ASTM D5185m	>20	3	1	0
	%	ASTM D6304	>0.1	0.004	0.009	0.004
ppm Water p	opm	ASTM D6304	>1000	48	94	42.0
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		92736	13105	184545
Particles >6µm		ASTM D7647	>5000	<b>A</b> 31374	1160	<b>1</b> 18217
Particles >14µm		ASTM D7647	>640	<u> </u>	36	<b>1</b> 3524
Particles >21µm		ASTM D7647	>160	<b>A</b> 363	8	<b>1</b> 156
Particles >38µm		ASTM D7647	>40	12	1	12
Particles >71µm		ASTM D7647	>10	1	0	0
Oil Cleanliness		ISO 4406 (c)	>/19/16	<b>4/22/18</b>	21/17/12	▲ 25/24/21
		. ,				









B

lep.

280 260 Abnorma

240

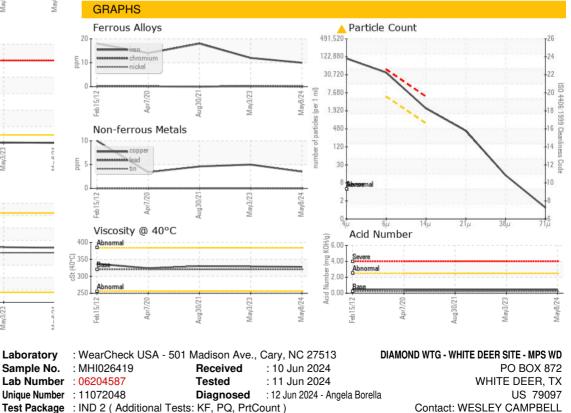
# **OIL ANALYSIS REPORT**

FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.25	0.43	0.45	0.47
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	320	328	329	330
SAMPLE IMAGES	S	method	limit/base	current	history1	history2

Color



Bottom



Certificate 12367 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) F: (806)883-2004

Report Id: MITWHI [WUSCAR] 06204587 (Generated: 06/12/2024 17:40:41) Rev: 1

Mav3/23

Laboratory

Sample No.

Contact/Location: WESLEY CAMPBELL - MITWHI

wesley.campbell@diamondwtg.com

Page 2 of 2

T: (806)883-1051