



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

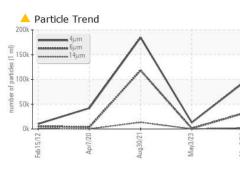
There is a high amount of particulates present in the oil.

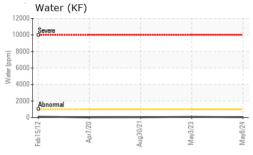
Fluid Condition

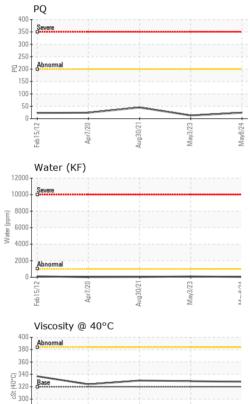
The AN level is acceptable for this fluid.

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	A 31374	1160	1 18217
Particles >14µm		ASTM D7647	>640	<u> </u>	36	1 3524
Particles >21µm		ASTM D7647	>160	A 363	8	1 156
Particles >38µm		ASTM D7647	>40	12	1	12
Particles >71µm		ASTM D7647	>10	1	0	0
Oil Cleanliness		ISO 4406 (c)	>/19/16	4/22/18	21/17/12	▲ 25/24/21
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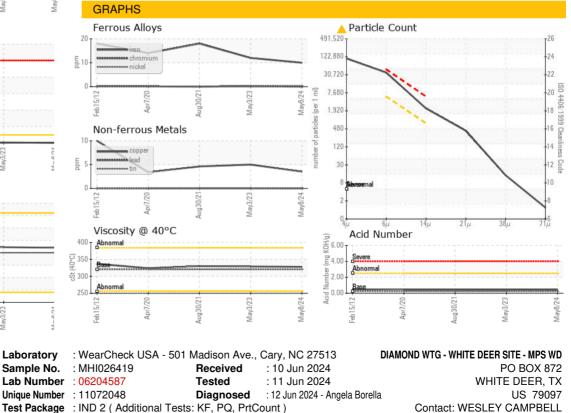
OIL ANALYSIS REPORT

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

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Mav3/23

Laboratory

Sample No.

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