

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id

NOT GIVEN MHI026391 (S/N NO INFO ON SIF/BOTTLE)

Hydraulic System

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

Fluid Condition

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

				Jun 2074		
				Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MHI026391		
Sample Date		Client Info		09 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	24		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	1		
Tin	ppm	ASTM D5185m	>20	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		3		
Calcium	ppm	ASTM D5185m		121		
Phosphorus	ppm	ASTM D5185m		436		
Zinc	ppm	ASTM D5185m		30		
Sulfur	ppm	ASTM D5185m		1675		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	1		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304	>0.1	0.003		
ppm Water	ppm	ASTM D6304	>1000	37		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	4479		
Particles >6µm		ASTM D7647	>1300	811		
Particles >14μm		ASTM D7647	>160	39		
Particles >21µm		ASTM D7647	>40	10		
Particles >38μm		ASTM D7647	>10	1		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/12		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A adal Niconala au (ANI)	I/OLI/-	ACTM DODAE		0.001		

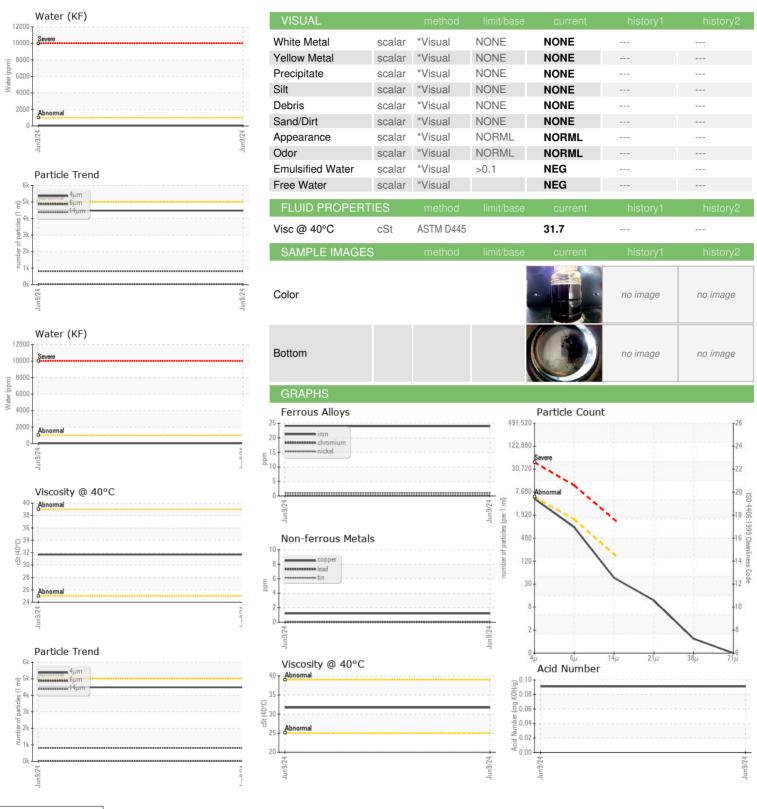
Acid Number (AN)

mg KOH/g ASTM D8045

0.091



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : MHI026391 : 06204608 Unique Number : 11072069

Received : 10 Jun 2024 Tested Diagnosed

: 11 Jun 2024 : 12 Jun 2024 - Doug Bogart

DIAMOND WTG - WHITE DEER SITE - MPS WD PO BOX 872 WHITE DEER, TX US 79097

Test Package : IND 2 (Additional Tests: KF) To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Contact: WESLEY CAMPBELL wesley.campbell@diamondwtg.com T: (806)883-1051 F: (806)883-2004

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: MITWHI [WUSCAR] 06204608 (Generated: 06/12/2024 12:29:10) Rev: 1

Contact/Location: WESLEY CAMPBELL - MITWHI