

OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **B-3-3** GO

Component

Hydraulic System

{not provided} (--- GAL)

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Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

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.

				Jan 2024		
				Janzuz4		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MHI026926		
Sample Date		Client Info		10 Jan 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	11		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	3		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	<1		
Copper	ppm	ASTM D5185m	>20	0		
Tin	ppm	ASTM D5185m	>20	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		99		
Phosphorus	ppm	ASTM D5185m		368		
Zinc	ppm	ASTM D5185m		11		
Sulfur	ppm	ASTM D5185m		1297		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	<1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.1	0.012		
ppm Water	ppm	ASTM D6304	>1000	124		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1554		
Particles >6µm		ASTM D7647	>1300	508		
Particles >14μm		ASTM D7647	>160	65		
Particles >21μm		ASTM D7647	>40	18		
Particles >38μm		ASTM D7647	>10	1		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A atal Nicosala au (ANI)	I/OII/-	4 OTM D00 45		0.10		

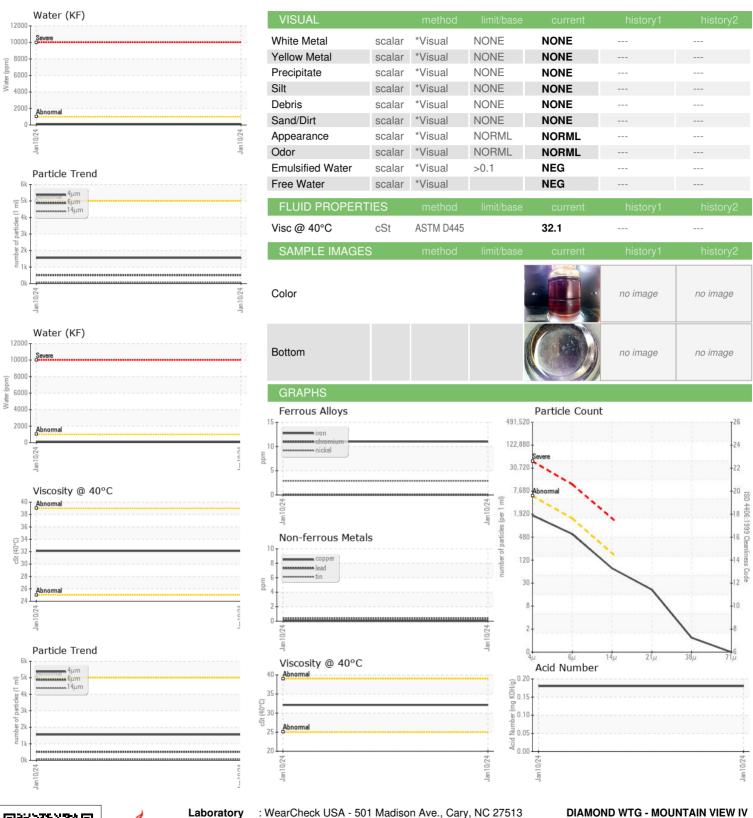
Acid Number (AN)

mg KOH/g ASTM D8045

0.18



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Sample No.

Laboratory

: MHI026926 Lab Number : 06075771

Unique Number : 10857862 Test Package : IND 2 (Additional Tests: KF, PQ)

Received : 31 Jan 2024 **Tested**

: 01 Feb 2024 Diagnosed : 01 Feb 2024 - Don Baldridge

P.O. BOX 880 DESERT HOT SPRINGS, CA US 92240

Contact: SERVICE MANAGER

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: (760)329-7122