

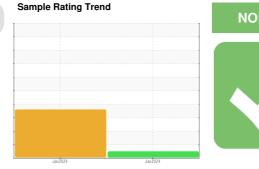
OIL ANALYSIS REPORT

RIG 251 **R251-DW**

Component

Gearbox

{not provided} (--- GAL)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

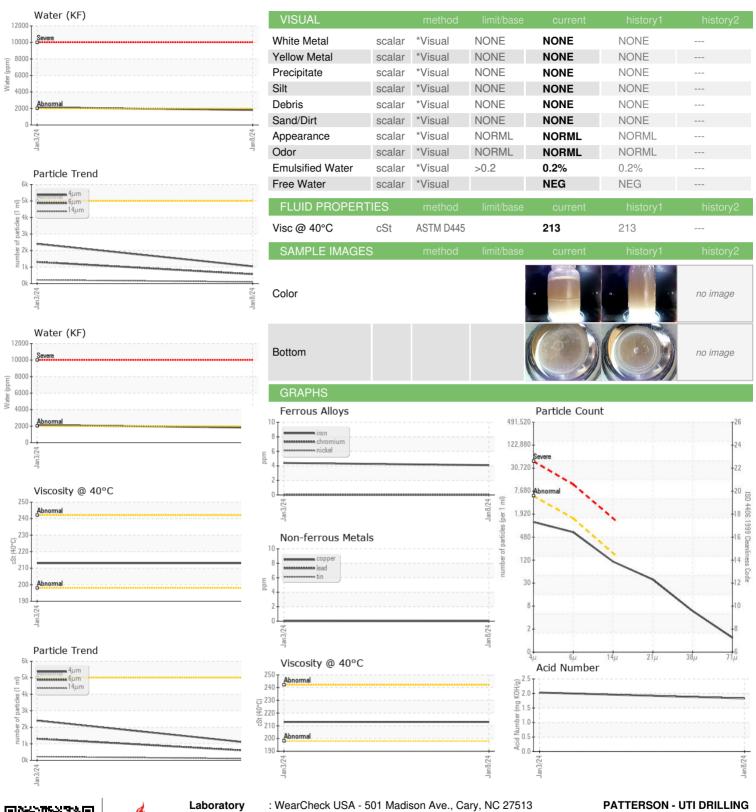
Fluid Condition

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

			Jan2024	Jan 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0013953	KL0013952	
Sample Date		Client Info		08 Jan 2024	03 Jan 2024	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	4	4	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	<1	<1	
Lead	ppm	ASTM D5185m	>50	0	0	
Copper	ppm	ASTM D5185m	>200	0	0	
Tin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		0	0	
Calcium	ppm	ASTM D5185m		4	3	
Phosphorus	ppm	ASTM D5185m		680	690	
Zinc	ppm	ASTM D5185m		0	0	
Sulfur	ppm	ASTM D5185m		1108	1090	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	4	
Sodium	ppm	ASTM D5185m		1	<1	
Potassium	ppm	ASTM D5185m	>20	1	1	
Water	%	ASTM D6304	>0.2	0.182	△ 0.213	
ppm Water	ppm	ASTM D6304	>2000	1820	△ 2130	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	1044	2401	
Particles >6µm		ASTM D7647	>1300	569	1 308	
Particles >14μm		ASTM D7647	>160	97	223	
Particles >21µm		ASTM D7647	>40	33	▲ 75	
Particles >38µm		ASTM D7647	>10	5	1 2	
Particles >71μm		ASTM D7647		1	1	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/16/14	1 8/18/15	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.83	2.03	



OIL ANALYSIS REPORT





Sample No. Lab Number **Unique Number**

: KL0013953 . 06056634

Recieved Diagnosed : 10822583

: 10 Jan 2024 : 16 Jan 2024 Diagnostician : Jonathan Hester

Test Package : MOB 2 (Additional Tests: KF, PrtCount) Certificate L2367 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.

T: (832)219-4559 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (432)561-9388

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