PROBLEM SUMMARY

Sample Rating Trend



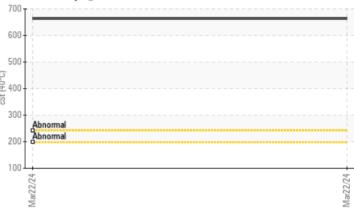
Area RIG 252 Machine Id R252-MP-02 Component

Gearbox Fluid {not provided} (--- GAL)

COMPONENT CONDITION SUMMARY



▲ Viscosity @ 40°C



WATER

RECOMMENDATION

We advise that you check for the source of water entry. We recommend drain/flush system. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE			
Water	%	ASTM D6304	>0.2	A 22.2			
ppm Water	ppm	ASTM D6304	>2000	A 222000			
Emulsified Water	scalar	*Visual	>0.2	0.2%			
Free Water	scalar	*Visual		▲ >10%			
Visc @ 40°C	cSt	ASTM D445		<u> </u>			

Customer Id: PATMIDTX Sample No.: KL0011754 Lab Number: 06131140 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Fluid			?	We recommend drain/flush system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's recommendations.			
Flush System			?	We recommend drain/flush system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's recommendations.			
Resample			?	We recommend an early resample to monitor this condition.			
Check Water Access			?	We advise that you check for the source of water entry.			

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

WATER



Area **RIG** 252 Machine Id **R252-MP-02** Component

Gearbox Fluid {not provided} (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We recommend drain/flush system. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count.

Wear

All component wear rates are normal.

Contamination

Appearance is unacceptable. Excessive free water present. There is a high concentration of water present in the oil. There is a moderate amount of visible silt present in the sample.

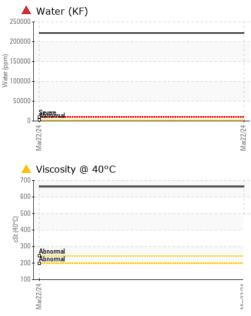
Fluid Condition

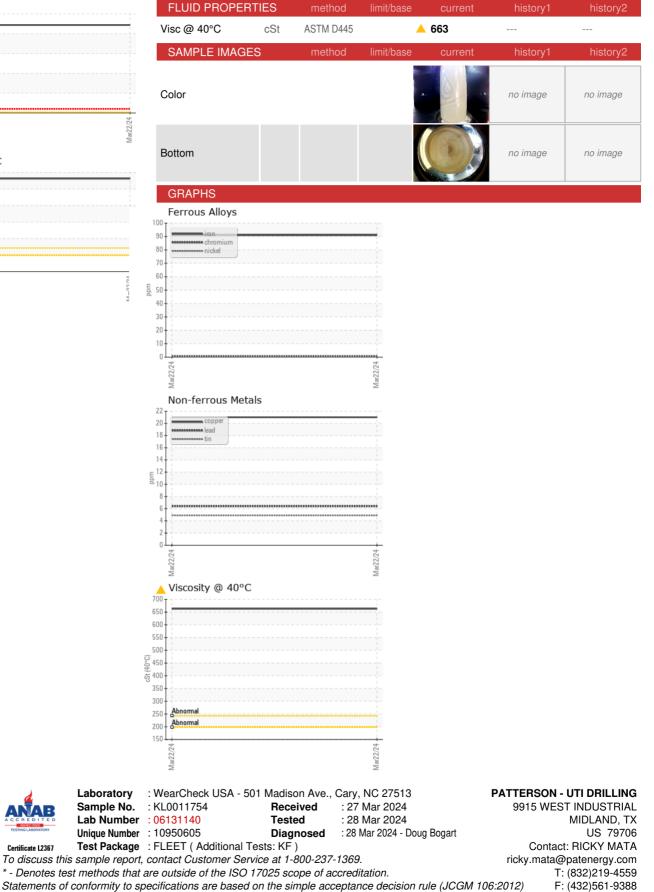
The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0011754		
Sample Date		Client Info		22 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				SEVERE		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	91		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>50	6		
Copper	ppm	ASTM D5185m	>200	21		
Tin	ppm	ASTM D5185m	>10	5		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		26		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		2		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		27		
Calcium	ppm	ASTM D5185m		100		
Phosphorus	ppm	ASTM D5185m		144		
Zinc	ppm	ASTM D5185m		42		
Sulfur	ppm	ASTM D5185m		9641		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	17		
Sodium	ppm	ASTM D5185m		45		
Potassium	ppm	ASTM D5185m	>20	5		
Water	%	ASTM D6304	>0.2	A 22.2		
opm Water	ppm	ASTM D6304	>2000	222000		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	MODER		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	MILKY		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	0.2%		
Free Water	scalar	*Visual		▲ >10%		



OIL ANALYSIS REPORT





Contact/Location: RICKY MATA - PATMIDTX