

# **OIL ANALYSIS REPORT**

Sample Rating Trend

SAMPLE INFORMATION method limit/base current



history1

history2

Area **RIG 816** Machine Id **R816-MP-02** Component

# Gearbox Fluid NOT GIVEN (--- GAL)

#### DIAGNOSIS

#### A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please note that this is a corrected copy for diagnostic comment updates.

# Wear

All component wear rates are normal.

### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

#### Fluid Condition

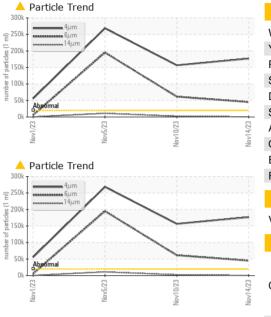
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

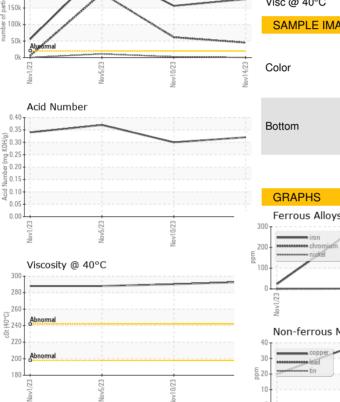
SAMPLE INFORM	ATION	method	limit/base	current	history i	nistory2
Sample Number		Client Info		KL0013028	KL0013023	KL0012971
Sample Date		Client Info		14 Nov 2023	10 Nov 2023	05 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL		ABNORMAL
CONTAMINATION		method	limit/base	current	history1	history2
	•					
Water		WC Method	-	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	36	30	<b>A</b> 256
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	3
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	<u> </u>
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>200	23	21	36
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	<1	8
Barium	ppm	ASTM D5185m		0	<1	30
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m		0	0	8
Calcium	ppm	ASTM D5185m		12	16	61
Phosphorus	ppm	ASTM D5185m		124	123	151
Zinc	ppm	ASTM D5185m		31	40	61
Sulfur	ppm	ASTM D5185m		7162	7527	6986
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	10	14	46
Sodium	ppm	ASTM D5185m		15	12	83
Potassium	ppm	ASTM D5185m	>20	<1	<1	6
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b> </b> 176787	▲ 156542	▲ 268480
Particles >6µm		ASTM D7647	>5000	<u> </u>	61493	<b>1</b> 95185
		ASTM D7647	>640	350	<b>A</b> 2321	<b>1</b> 1053
Particles >14µm						
		ASTM D7647	>160	25	<u> </u>	🔺 559
Particles >21µm		ASTM D7647 ASTM D7647	>160 >40	25 0	▲ 266 3	▲ 559 1
Particles >21μm Particles >38μm			>40			
Particles >14µm Particles >21µm Particles >38µm Particles >71µm Oil Cleanliness		ASTM D7647	>40	0	3	1
Particles >21µm Particles >38µm Particles >71µm	TION	ASTM D7647 ASTM D7647	>40 >10	0 0	3 0	1 0
Particles >21µm Particles >38µm Particles >71µm Oil Cleanliness	TION mg KOH/g	ASTM D7647 ASTM D7647 ISO 4406 (c)	>40 >10 >21/19/16	0 0 ▲ 25/23/16	3 0 24/23/18	1 0 ▲ 25/25/21

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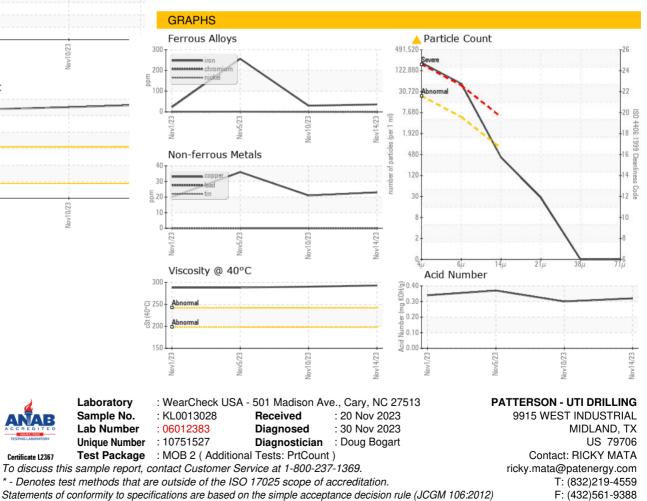


# **OIL ANALYSIS REPORT**





VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		293	290.2	288
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						



Contact/Location: RICKY MATA - PATMIDTX