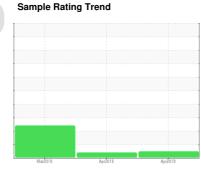


# **OIL ANALYSIS REPORT**

RIG 2 **R2-TD-HYD** 

Component **Hydraulic System** 

**NOT GIVEN (--- GAL)** 





### Recommendation

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

### Wear

All component wear rates are normal.

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

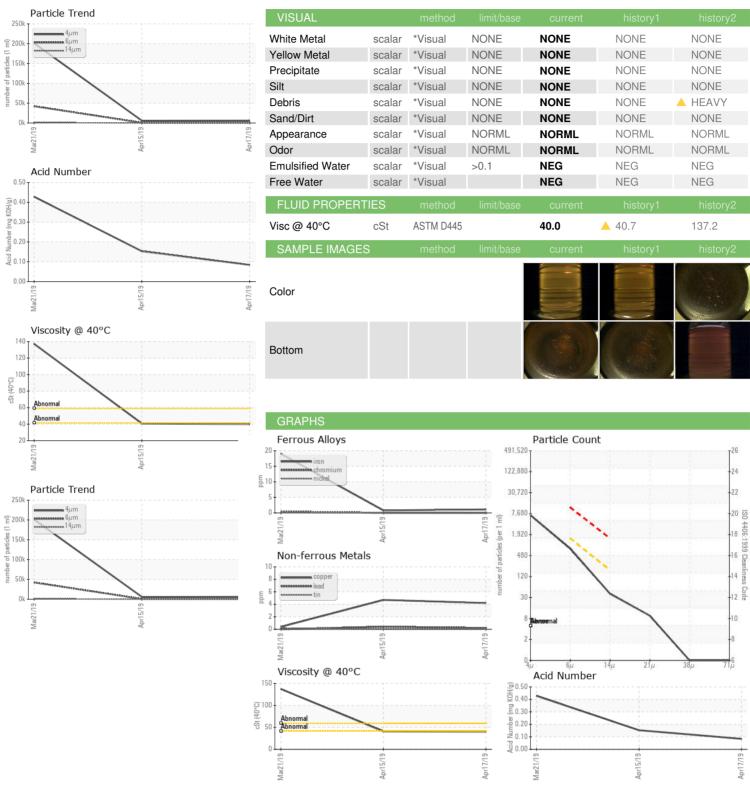
### **Fluid Condition**

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

		Ma	2019	Apr2019 Apr20	9	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KLM2338513	KLM2338910	KLM2339594
Sample Date		Client Info		17 Apr 2019	15 Apr 2019	21 Mar 2019
Machine Age	days	Client Info		43570	43568	43543
Oil Age	days	Client Info		17	15	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1	<1	19
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	<1	0
Lead	ppm	ASTM D5185m	>10	<1	<1	0
Copper	ppm	ASTM D5185m	>75	4	5	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	1	9
Barium	ppm	ASTM D5185m		<1	<1	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		4	4	4
Calcium	ppm	ASTM D5185m		38	41	27
Phosphorus	ppm	ASTM D5185m		172	168	245
Zinc	ppm	ASTM D5185m		204	203	20
Sulfur	ppm	ASTM D5185m		1130	987	4846
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	<1	2
Sodium	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	1
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		6027	5832	201155
Particles >6µm		ASTM D7647	>1300	667	608	<b>▲</b> 42359
Particles >14µm		ASTM D7647	>160	34	39	<u> </u>
Particles >21µm		ASTM D7647	>40	8	8	▲ 306
Particles >38μm		ASTM D7647	>10	0	1	<u> </u>
Particles >71μm		ASTM D7647	>3	0	0	<u>^</u> 2
Oil Cleanliness		ISO 4406 (c)	>17/14	17/12	16/12	<b>△</b> 23/17
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.084	0.153	0.428



## **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number **Unique Number** Test Package

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: KLM2338513 : 04702177 : 8578699 : MOB 2

: 29 Apr 2019 Received : 30 Apr 2019 Diagnosed : Wes Davis Diagnostician

Contact: DOMINIK MENDOZA dominik4819@yahoo.com

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)

Contact/Location: DOMINIK MENDOZA - MCVHOBKL

**MCVAY DRILLING** 

T: (575)393-8969

F: (575)393-7455

HOBBS, NM

US 88241

401 E BENDER BLVD