

RIG 879

R879-HPU Component Hydraulic System Fluid AW HYDRAULIC OIL ISO 46 (CA

AW HYDRAULIC OIL ISO 46 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

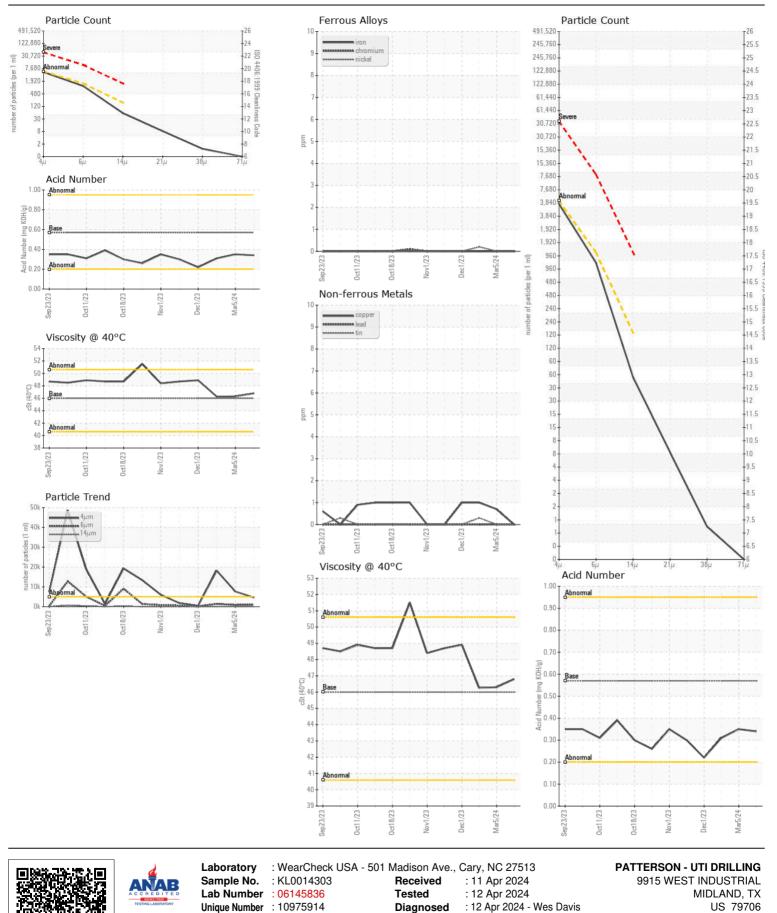
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

FLUID CONDITION

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

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KL0014303	KL0013730	KL0013935
Sample Date		Client Info		03 Apr 2024	05 Mar 2024	11 Feb 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	ABNORMAL
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	0	<1	1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
0				•		
Silicon	ppm	ASTM D5185m	>20	2	1	3
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647		4627	7652	<u> </u>
Particles >6µm		ASTM D7647	>1300	994	877	1390
Particles >14µm		ASTM D7647	>160	50	30	36
Particles >21µm		ASTM D7647	>40	7	5	7
Particles >38µm		ASTM D7647		1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)		19/17/13	20/17/12	▲ 21/18/12
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor Emulsified Water	scalar	*Visual	NORML	NORML	NORML	NORML
	scalar	*Visual	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		<1	<1	2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m	-	0	0	<1
Magnesium	ppm	ASTM D5185m	25	4	0	6
Calcium	ppm	ASTM D5185m	200	- 54	44	57
Phosphorus	ppm	ASTM D5185m	300	317	261	340
Zinc	ppm	ASTM D5185m	370	394	350	433
Sulfur	ppm	ASTM D5185m	2500	2535	2147	2330
Acid Number (AN)	mg KOH/g	ASTM D5105III ASTM D8045	0.57	0.34	0.35	0.31
Visc @ 40°C	cSt	ASTM D8045 ASTM D445	46	46.8	46.3	46.26
VISC @ 40°C	COL	ASTIVI D445	40	40.8	40.3	40.20

## WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL



 Certificate L2367
 Test Package
 : MOB 2

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 rick

 * - 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)

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