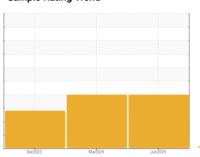


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id

MACHINE 2 PUMP 1

Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

The iron level is abnormal. The copper level is abnormal.

Contamination

There is a light concentration of water present in the oil. There is a moderate amount of visible silt present in the sample.

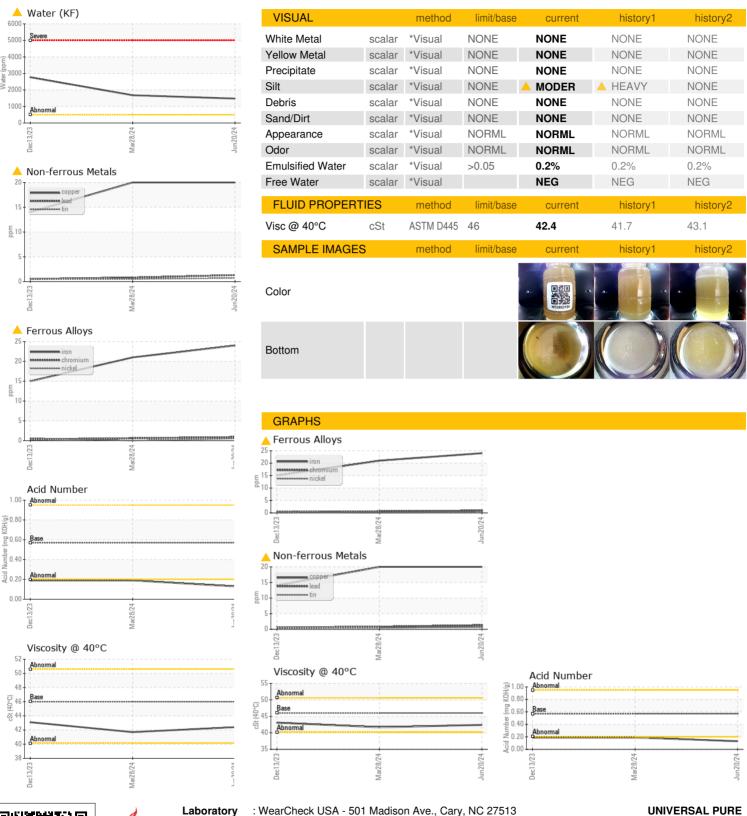
Fluid Condition

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

		Dec	2023	Mar2024 Jun20	124	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0953164	WC0908005	WC0850243
Sample Date		Client Info		20 Jun 2024	28 Mar 2024	13 Dec 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	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<u> </u>	<u>^</u> 21	15
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>20	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>20	3	3	<1
Lead	ppm	ASTM D5185m	>20	1	<1	<1
Copper	ppm	ASTM D5185m		<u>^</u> 20	<u>^</u> 20	14
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	<1	<1
ADDITIVES	PPIII	method	limit/base			
				current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	1	<1	0
Molybdenum	ppm	ASTM D5185m	5	<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	25	<1	<1	<1
Calcium	ppm	ASTM D5185m	200	0	4	0
Phosphorus	ppm	ASTM D5185m	300	442	456	453
Zinc	ppm	ASTM D5185m	370	13	12	1
Sulfur	ppm	ASTM D5185m	2500	492	500	535
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	3	3
Sodium	ppm	ASTM D5185m		0	0	1
Potassium	ppm	ASTM D5185m	>20	1	1	2
Water	%	ASTM D6304	>0.05	<u> </u>	△ 0.168	△ 0.277
ppm Water	ppm	ASTM D6304	>500	1480	▲ 1680	△ 2770
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000			▲ 102009
Particles >6µm		ASTM D7647	>1300			△ 9797
Particles >14µm		ASTM D7647	>160			14
Particles >21μm		ASTM D7647	>40			4
Particles >38µm		ASTM D7647	>10			0
Particles >71μm		ASTM D7647	>3			0
Oil Cleanliness		ISO 4406 (c)	>19/17/14			4 24/20/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.13	0.19	0.19



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number Unique Number : 11090128

: WC0953164 : 06217264

Received : 21 Jun 2024 **Tested** Diagnosed

: 25 Jun 2024

: 25 Jun 2024 - Don Baldridge Test Package : IND 2 (Additional Tests: KF) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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: NICO LEEJAY NLeejay@universalpure.com T: (469)441-3632

2301 CENTENNIAL DR

ARLINGTON, TX

US 76011

Report Id: UNIARL [WUSCAR] 06217264 (Generated: 06/25/2024 10:57:09) Rev: 1

Contact/Location: NICO LEEJAY - UNIARL