

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.

A 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 high 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.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0908005	WC0850243	
Sample Date		Client Info		28 Mar 2024	13 Dec 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4 21	15	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>20	0	<1	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>20	3	<1	
Lead	ppm	ASTM D5185m	>20	<1	<1	
Copper	ppm	ASTM D5185m	>20	<u> </u>	14	
Tin	ppm	ASTM D5185m	>20	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	
Barium	ppm	ASTM D5185m	5	<1	0	
Molybdenum	ppm	ASTM D5185m	5	0	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	25	<1	<1	
Calcium	ppm	ASTM D5185m	200	4	0	
Phosphorus	ppm	ASTM D5185m	300	456	453	
Zinc	ppm	ASTM D5185m	370	12	1	
Sulfur	ppm		2500	500	535	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	3	3	
Sodium	ppm	ASTM D5185m		0	1	
Potassium	ppm	ASTM D5185m	>20	1	2	
Water	%	ASTM D6304	>0.05	A 0.168	▲ 0.277	
ppm Water	ppm	ASTM D6304	>500	1680	2770	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000		▲ 102009	
Particles >6µm		ASTM D7647	>1300		9797	
Particles >14µm		ASTM D7647	>160		14	
		ASTM D7647	>40		4	
Particles >21µm		ASTM D7647	>10		0	
-						
Particles >21µm Particles >38µm Particles >71µm		ASTM D7647	>3		0	
Particles >38µm Particles >71µm			>3 >19/17/14		0	
Particles >38µm	TION	ASTM D7647		 current		

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method

*Visual

*Visual

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*Visual

*Visual

*Visual

*Visual

*Visual

method

ASTM D445

method

limit/base

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

limit/base

limit/base

>0.05

46

current

NONE

NONE

NONE

HEAVY

NONE

NONE

NORML

NORML

curren

current

0.2%

NEG

41.7

history1

NONE

NONE

NONE

NONE NONE

NONE

NORML

NORML

history

historv1

0.2%

NEG

43.1

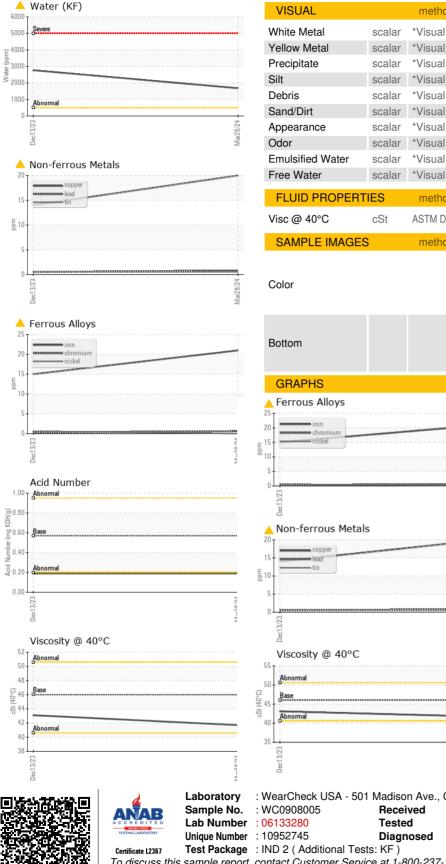
history2

history2

history2

no image

no image



Acid Number 1.00 (B/H0) 0.80 K0H/0 Abnorm Ē 0.60 Ba · 은 0.40 Abnorma 0.20 Acid 0.00 Mar28/24 Dec1 **UNIVERSAL PURE** : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Mar 2024 2301 CENTENNIAL DR ARLINGTON, TX Tested : 03 Apr 2024 : 03 Apr 2024 - Jonathan Hester US 76011 Diagnosed Contact: NICO LEEJAY To discuss this sample report, contact Customer Service at 1-800-237-1369. NLeejay@universalpure.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (469)441-3632 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: Contact/Location: NICO LEEJAY - UNIARL Page 2 of 2