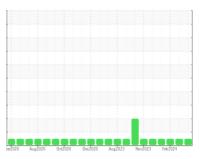


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



W11 (S/N 31037)

Hydraulic System

MIL-PRF-83282 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target SAE AS4059 (replaces NAS 1638) cleanliness code. There is no indication of any contamination in the oil. Chlorine measured at 12.6 ppm.

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	history1	history2
Sample Number		Client Info		WC0926366	WC0874960	WC0874957
Sample Date		Client Info		09 Apr 2024	06 Mar 2024	06 Feb 2024
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				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	0	0
Tin	ppm	ASTM D5185m	>20	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		732	609	723
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		47	20	43
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	3	3	3
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
Chlorine Content	ppm	ASTM D5185m		12.6	11.5	6.90
Water	%	ASTM D6304	>0.05	0.009	0.005	0.005
ppm Water	ppm	ASTM D6304	>500	99	59	57
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	148	596	358
Particles >6μm		ASTM D7647	>1300	63	162	91
Particles >14μm		ASTM D7647	>160	15	16	8
Particles >21µm		ASTM D7647	>40	6	3	2
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	14/13/11	16/15/11	16/14/10
FLUID DEGRADAT	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number Unique Number : 10982520

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0926366

Received **Tested** : 06152442

: 23 Apr 2024 Diagnosed : 23 Apr 2024 - Jonathan Hester

: 17 Apr 2024

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

US 02762 Contact: JIM ALLEN JALLEN@NWHYDINC.COM

NORTHLAND-WILLETTE INC

 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)

F: (508)699-4017 Contact/Location: JIM ALLEN - NORPLAMA

12 HIGH ST

PLAINVILLE, MA