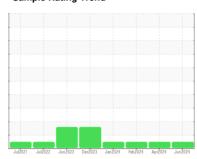


OIL ANALYSIS REPORT

Sample Rating Trend







W16 Component Hydraulic System Fluid MIL-PRF-83282 (50 GAL)

DIAGNOSIS

Machine Id

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 15.4 ppm.

Fluid Condition

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

		Jul2021 J	Jul2022 Jun2023 Dec20	23 Jan 2024 Feb 2024 Apr 2024	Jun2024	
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0926350	WC0926369	WC0874956
Sample Date		Client Info		13 Jun 2024	09 Apr 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	<1
Tin	ppm	ASTM D5185m	>20	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<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		2	1	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		709	693	687
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		58	56	105
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	15	13	6
Sodium	ppm	ASTM D5185m	7.0	<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
Chlorine Content	ppm	ASTM D5185m	720	15.4	1.90	7.60
Water	%	ASTM D6304	>0.05	0.015	0.008	0.009
ppm Water	ppm	ASTM D6304	>500	157	86	95
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	474	186	580
Particles >6µm		ASTM D7647	>1300	150	77	109
Particles >14µm		ASTM D7647	>160	8	14	10
Particles >21μm		ASTM D7647	>40	2	4	3
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/10	15/13/11	16/14/10
FLUID DEGRADA		method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: 06213964

: WC0926350 Unique Number : 11086828

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Jun 2024 **Tested** : 27 Jun 2024

Diagnosed : 27 Jun 2024 - Jonathan Hester

Test Package: IND 2 (Additional Tests: CHLORINEXRF, 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.

12 HIGH ST PLAINVILLE, MA US 02762 Contact: JIM ALLEN

NORTHLAND-WILLETTE INC

JALLEN@NWHYDINC.COM

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: NORPLAMA [WUSCAR] 06213964 (Generated: 06/30/2024 09:09:37) Rev: 1

Contact/Location: JIM ALLEN - NORPLAMA

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