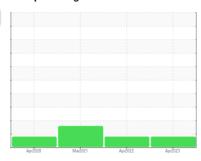


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id
W12
Component
Hydraulic System
Fluid
MILITARY MIL-PRF-6083F (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil.

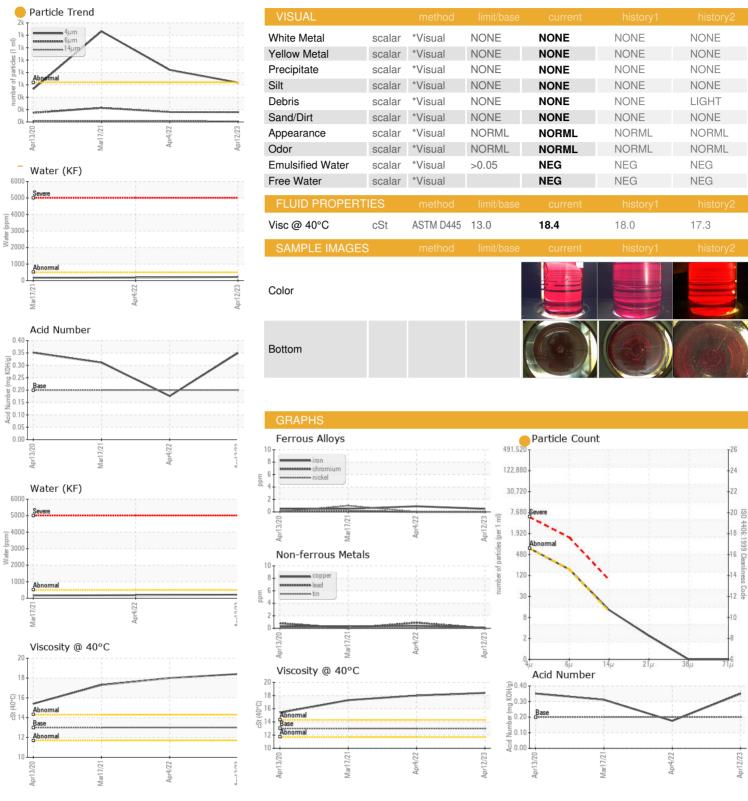
Fluid Condition

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

		Apr202	0 Mar2021	Apr2022 A	pr2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0723443	WC0569588	WC0505535
Sample Date		Client Info		12 Apr 2023	04 Apr 2022	17 Mar 2021
Machine Age	hrs	Client Info		0	6628	6410
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ATTENTION	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	<1	<1
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>20	0	0	1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	<1	<1
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	<1
Barium	ppm	ASTM D5185m		1045	1045	1231
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		2	<1	1
Calcium	ppm	ASTM D5185m		9	8	10
Phosphorus	ppm	ASTM D5185m		475	447	484
Zinc	ppm	ASTM D5185m		1	0	0
Sulfur	ppm	ASTM D5185m		860	602	858
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	4	6
Sodium	ppm	ASTM D5185m		6	5	8
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water	%	ASTM D6304	>0.05	0.021	0.018	0.016
ppm Water	ppm	ASTM D6304	>500	215.7	185.4	167.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>640	636	840	<u> </u>
Particles >6µm		ASTM D7647	>160	159	160	△ 228
Particles >14μm		ASTM D7647	>10	11	1 8	<u> </u>
Particles >21µm		ASTM D7647	>3	2	3	<u>^</u> 6
Particles >38µm		ASTM D7647	>3	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>16/14/10	16/14/11	17/14/11	▲ 18/15/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0723443 : 05824941 Unique Number : 10433024

Received **Tested**

Diagnosed : 27 Apr 2023 - Doug Bogart Test Package : IND 2 (Additional Tests: KF)

: 20 Apr 2023

: 27 Apr 2023

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. **NORTHLAND-WILLETTE INC**

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

F: (508)699-4017

JALLEN@NWHYDINC.COM

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)