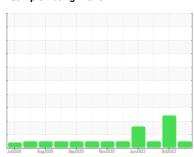


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **W5 (S/N 32036)**

Hydraulic System

MIL-PRF-83282 (--- 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

Discrete particle counts [100 ml] $5-15\mu m = 19900$, $15-25\mu m = 1700$, $25-50\mu m = 600$, $50-100\mu m = 0$, $>100\mu m = 0$. The amount and size of particulates present in the system are acceptable. Chlorine is 14.3 ppm.

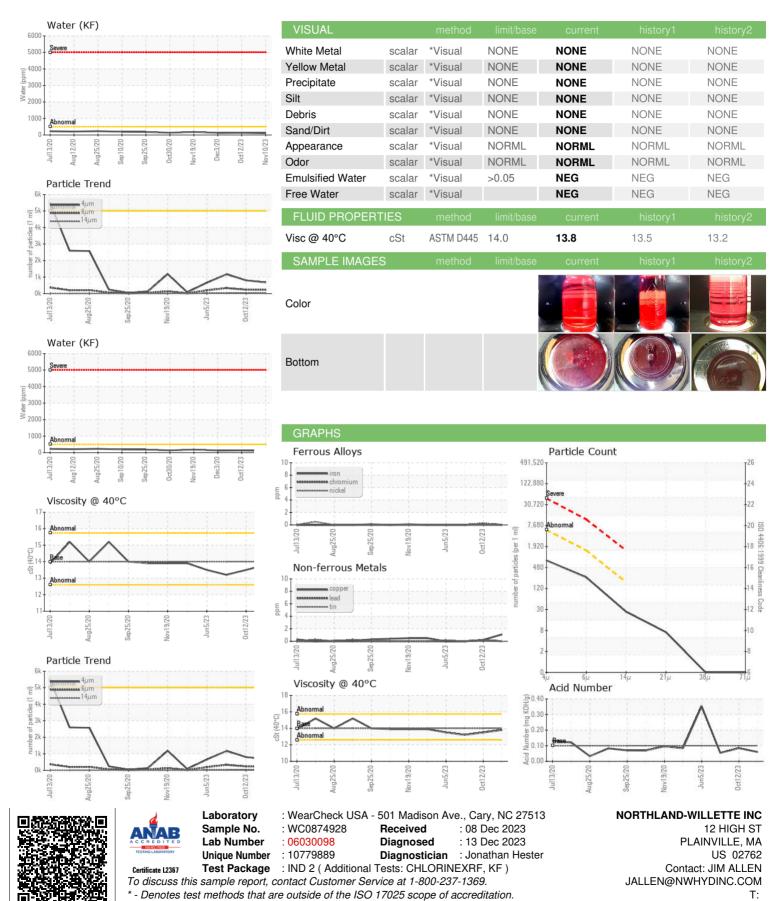
Fluid Condition

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

SAMPLE INFORM						
	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0874928	WC0768836	WC0768765
Sample Date		Client Info		10 Nov 2023	12 Oct 2023	10 Jul 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	Filtered
Sample Status				NORMAL	MARGINAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>20	0	1	0
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m	>20	1	<1	0
Tin	ppm	ASTM D5185m	>20	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	12	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		0	0	1
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		703	682	657
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		45	34	41
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	17	17	17
Sodium	ppm	ASTM D5185m		2	0	1
Potassium	ppm	ASTM D5185m	>20	0	1	1
Chlorine Content	ppm	ASTM D5185m		14.3	9.70	
Water	%	ASTM D6304	>0.05	0.010	△ 0.013	
ppm Water	ppm	ASTM D6304	>500	108	<u>▲</u> 136.4	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	675	800	1167
Particles >6µm		ASTM D7647	>1300	222	<u>^</u> 233	330
Particles >14µm		ASTM D7647	>160	23	31	26
Particles >21µm		ASTM D7647	>40	6	9	5
D		ASTM D7647	>10	0	0	0
Particles >38µm						
<u>'</u>		ASTM D7647	>3	0	0	0
Particles >38µm Particles >71µm Oil Cleanliness		ASTM D7647 ISO 4406 (c)	>3 >19/17/14	0 17/15/12	0 17/15/12	0 17/16/12



OIL ANALYSIS REPORT



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

F: (508)699-4017