

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id Component **Hydraulic System** MIL-PRF-5606H (--- GAL)

Recommendation

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

Wear

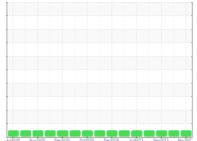
All component wear rates are normal.

Contamination

Discrete particle counts [100 ml] 5-15µm = 3900, 15-25μm = 400, 25-50μm = 200, 50-100μm = 0, $>100\mu m = 0$. The amount and size of particulates present in the system are acceptable. Chlorine is 11.0 ppm.

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		WC0874932	WC0768835	WC0768889
Sample Date		Client Info		10 Nov 2023	12 Oct 2023	11 Sep 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	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	<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	0	0
Copper	ppm	ASTM D5185m	>20	2	<1	<1
Tin	ppm	ASTM D5185m	>20	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
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	0
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		0	0	<1
Phosphorus	ppm	ASTM D5185m		450	441	402
Zinc	ppm	ASTM D5185m		0	0	2
Sulfur	ppm	ASTM D5185m		94	90	121
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	9	9	8
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m	>20	0	1	<1
Chlorine Content	ppm	ASTM D5185m		11.0	4.80	
Water	%	ASTM D6304	>0.05	0.004	0.002	0.006
ppm Water	ppm	ASTM D6304	>500	47	23.5	68.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	150	416	589
Particles >6µm		ASTM D7647	>1300	45	109	161
Particles >14µm		ASTM D7647	>160	6	15	17
Particles >21µm		ASTM D7647	>40	2	4	6
Particles >38µm		ASTM D7647	>10	0	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	14/13/10	16/14/11	16/15/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.1	0.09	0.034	0.05

Acid Number (AN) mg KOH/g ASTM D8045 0.1

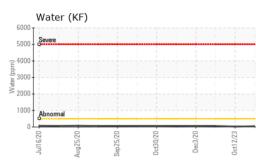
0.09 0.034 0.05

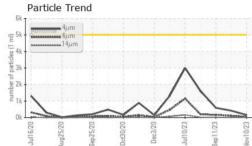
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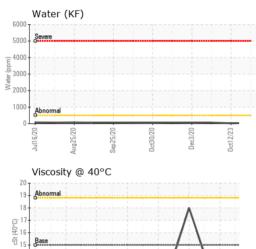
Contact/Location: JIM ALLEN - NORPLAMA



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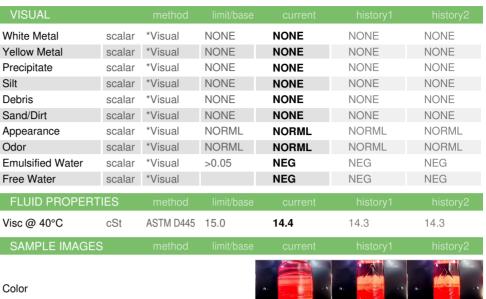
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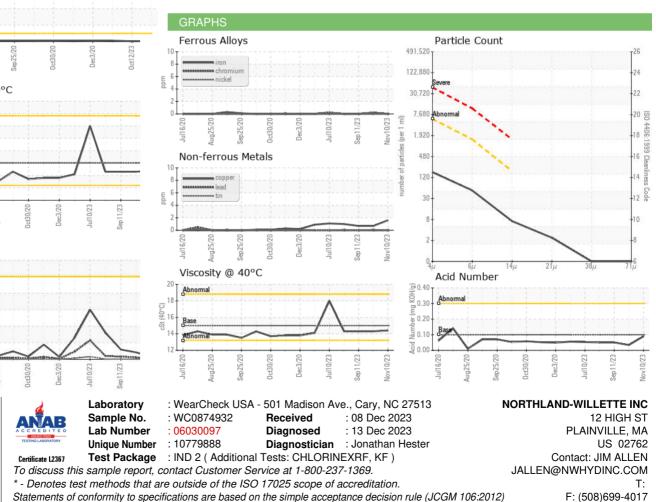
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Particle Trend



Bottom



Contact/Location: JIM ALLEN - NORPLAMA