

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

60236 - SIMULATOR 1

Hydraulic System **BIOBLEND ENVIROMAX 46 (450 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

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

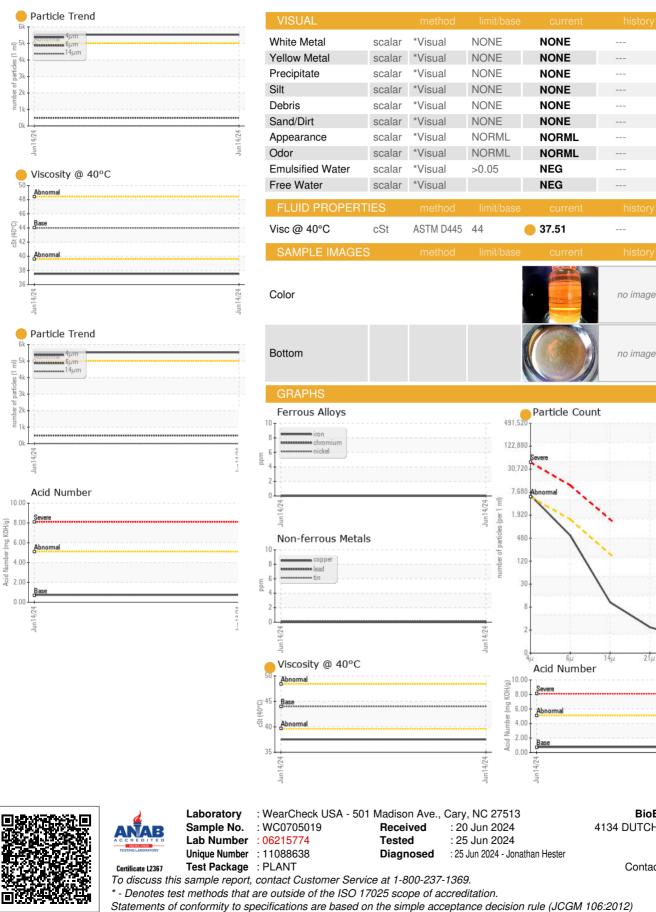
The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0705019		
Sample Date		Client Info		14 Jun 2024		
Machine Age	days	Client Info		7		
Oil Age	days	Client Info		0		
Oil Changed		Client Info		Filtered		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	<1		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	0		
Tin	ppm		>20	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	le le	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	mmbdasc	0		matoryz
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese		ASTM D5185m		<1		
Magnesium	ppm ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		9		
Phosphorus		ASTM D5185m	150	222		
Zinc	ppm	ASTM D5185m	150	19		
	ppm		1000	-		
Sulfur	ppm	ASTM D5185m	1900	3627		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	4		
Water	%	ASTM D6304	>0.05	NEG		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	5525		
Particles >6µm		ASTM D7647	>1300	494		
Particles >14µm		ASTM D7647	>160	9		
Particles >21µm		ASTM D7647	>40	2		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	e 20/16/10		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.7	0.76		



Imber

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BioBlend - Fort Myers 4134 DUTCHESS PARK ROAD FORT MYERS, FL US 33916 Contact: TODD ALLISON

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Contact/Location: TODD ALLISON - BIOFOR Page 2 of 2

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