

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id W5A Component Hydraulic System Fluid MIL-PRF-83282 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target SAE AS4059 (replaces NAS 1638) cleanliness code. The system and fluid cleanliness is acceptable.

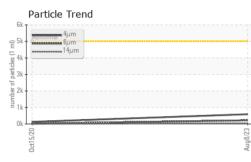
Fluid Condition

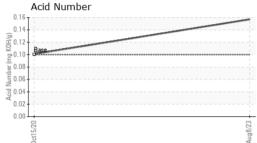
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0768779	WC0499760	
Sample Date		Client Info		08 Aug 2023	15 Oct 2020	
Machine Age	hrs	Client Info		0	5513	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	ATTENTION	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>10	<1	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>75	<1	<1	
Tin	ppm	ASTM D5185m	>10	<1	0	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	
Barium	ppm	ASTM D5185m		2	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m		6	<1	
Calcium	ppm	ASTM D5185m		0	2	
Phosphorus	ppm	ASTM D5185m		566	643	
Zinc	ppm	ASTM D5185m		15	0	
Sulfur	ppm	ASTM D5185m		21	48	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	16	<u> </u>	
Sodium	ppm	ASTM D5185m		2	2	
Potassium	ppm	ASTM D5185m	>20	0	0	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	590	130	
Particles >6µm		ASTM D7647	>1300	219	22	
Particles >14µm		ASTM D7647	>160	32	6	
Particles >21µm		ASTM D7647	>40	7	5	
Particles >38µm		ASTM D7647	>10	0	5	
Particles >71µm		ASTM D7647	>3	0	5	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/15/12	14/12/10	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.1	0.157	0.101	



OIL ANALYSIS REPORT





Viscosity @ 40°C

Particle Trend

16 1 (0-0+14 Bas

ŝ

12

6

Ê 5k

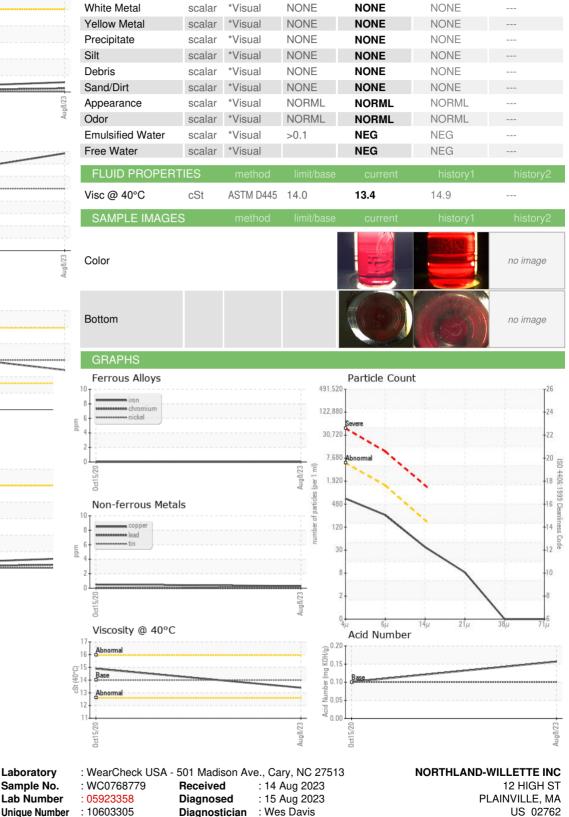
- 1 sa/4

ting 3k

21

n.

A



Certificate L2367

Laboratory

Sample No.

Test Package : IND 2

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

Contact/Location: MIKE BOUCHER - NORPLAMA

Contact: MIKE BOUCHER

mboucher@nwhydinc.com

T: (508)699-4016

F: (508)699-4017