



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
9527B

Component
Hydraulic System

Fluid
AW HYDRAULIC OIL ISO 46 (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0900954	WC0572548	WC0572554
Sample Date		Client Info		27 Feb 2024	01 May 2021	03 Apr 2021
Machine Age	hrs	Client Info		14500	3330	6015
Oil Age	hrs	Client Info		5000	400	800
Filter Age	hrs	Client Info		5000	400	800
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	9	16	5
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>10	<1	2	0
Lead	ppm	ASTM D5185m	>10	0	7	<1
Copper	ppm	ASTM D5185m	>75	4	49	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

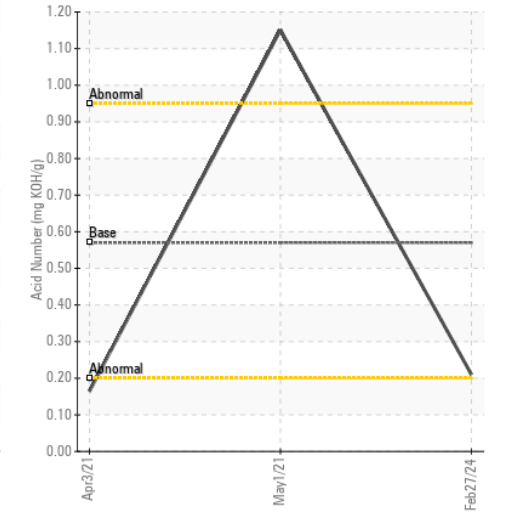
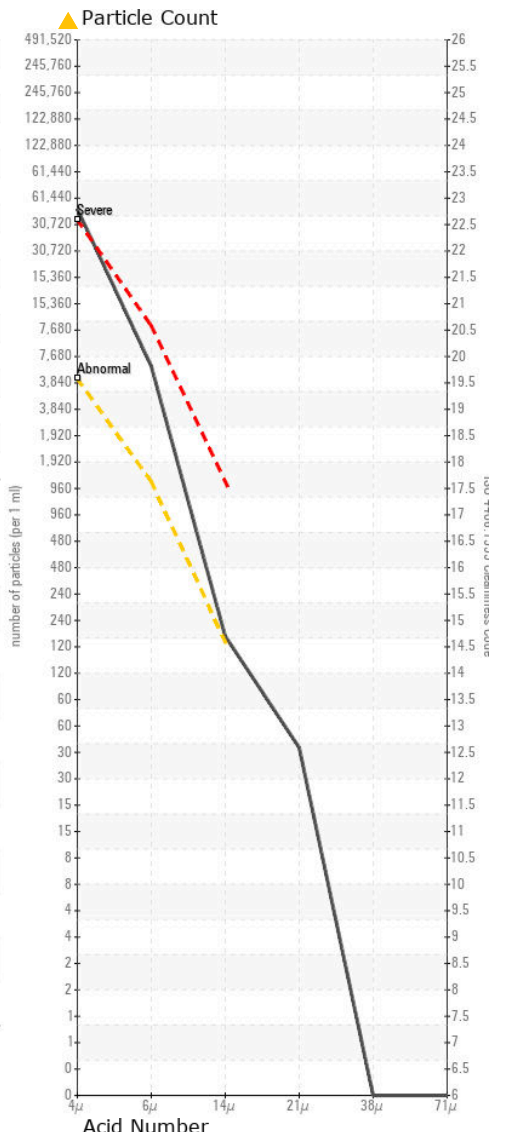
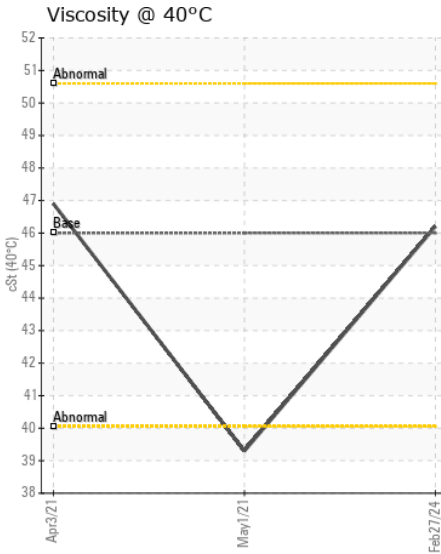
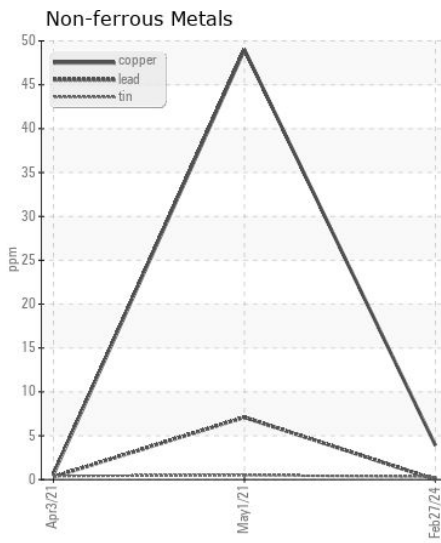
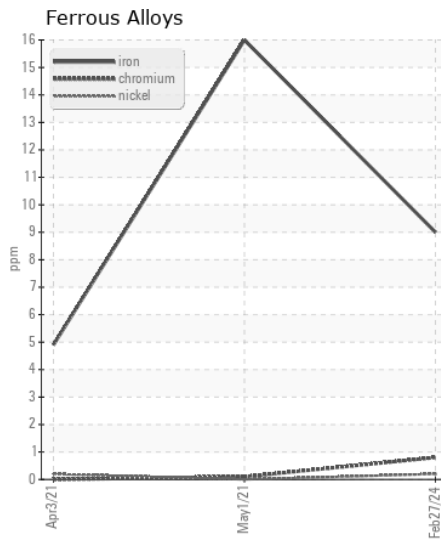
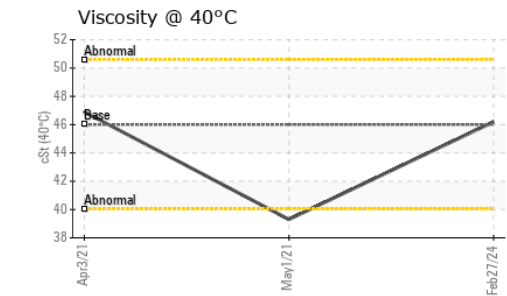
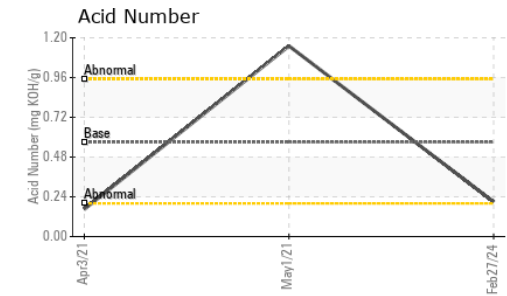
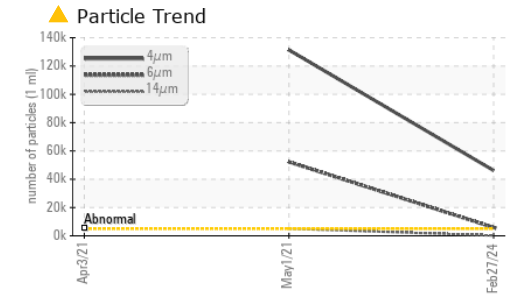
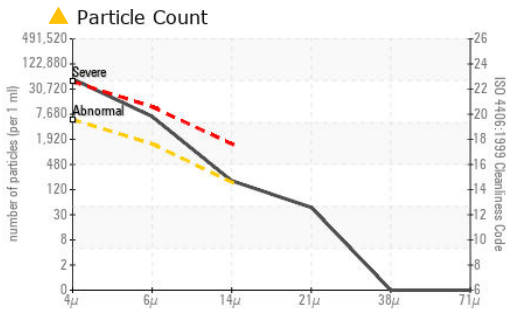
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	4	8	2
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 46136	▲ 131356	---
Particles >6µm		ASTM D7647	>1300	▲ 5888	▲ 52256	---
Particles >14µm		ASTM D7647	>160	▲ 172	▲ 5048	---
Particles >21µm		ASTM D7647	>40	40	▲ 1179	---
Particles >38µm		ASTM D7647	>10	0	▲ 39	---
Particles >71µm		ASTM D7647	>3	0	3	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 23/20/15	▲ 24/23/20	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	2	0
Boron	ppm	ASTM D5185m	5	0	5	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	<1	1	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	25	3	19	1
Calcium	ppm	ASTM D5185m	200	37	3404	0
Phosphorus	ppm	ASTM D5185m	300	440	922	448
Zinc	ppm	ASTM D5185m	370	82	1072	21
Sulfur	ppm	ASTM D5185m	2500	354	3699	101
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.21	1.151	0.165
Visc @ 40°C	cSt	ASTM D445	46	46.2	39.3	46.9



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0900954
Lab Number : 06104300
Unique Number : 10902530
Test Package : MOB 2
Received : 29 Feb 2024
Tested : 02 Mar 2024
Diagnosed : 02 Mar 2024 - Don Baldrige

ALL ISLAND EQUIPMENT
 39 JERSEY ST
 WEST BABYLON, NY
 US 11704
 Contact: DARYL
 service@allislandequipment.com
 T: (631)643-2605
 F: (631)643-4060

Certificate L2367
 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)