



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JLG 450AJ PL9091 (S/N 300169091)

Component
Hydraulic System

Fluid
 {not provided} (--- QTS)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

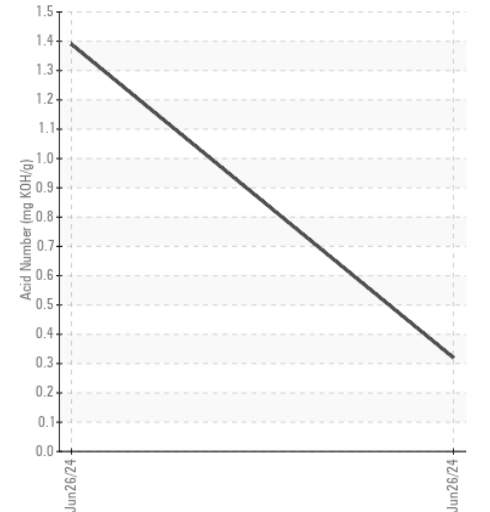
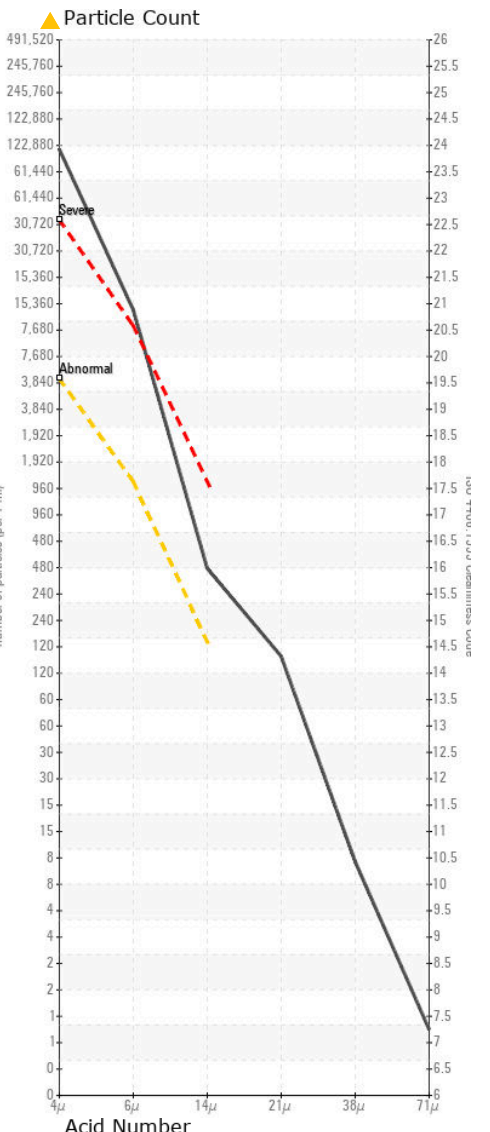
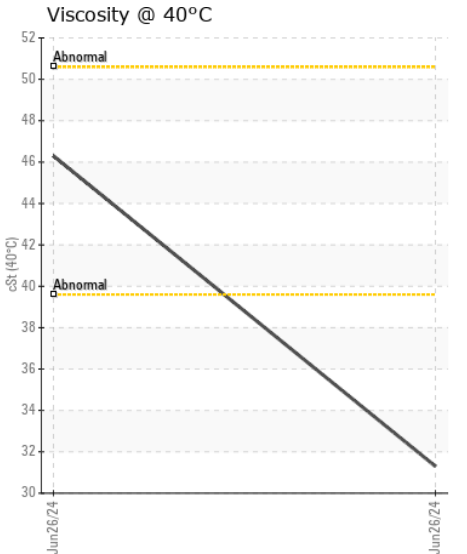
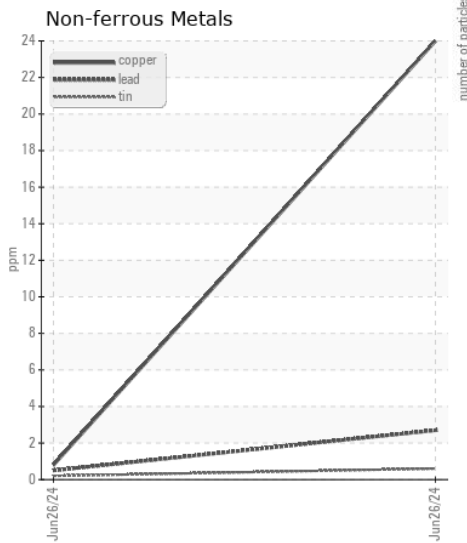
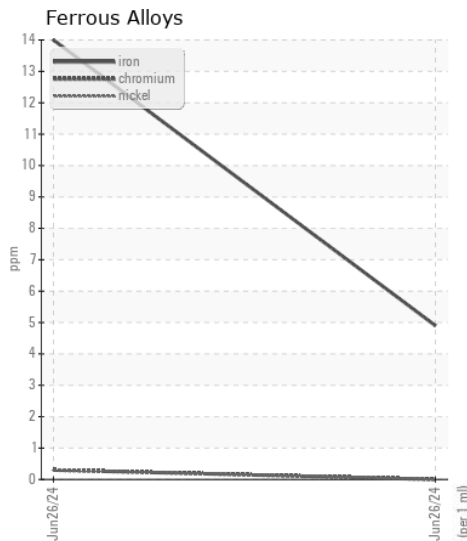
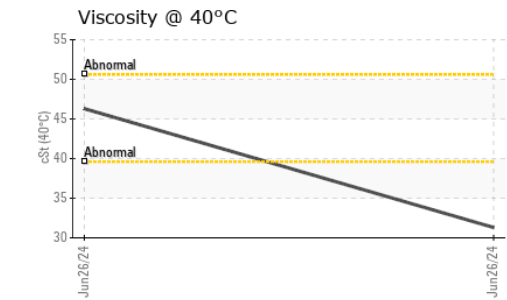
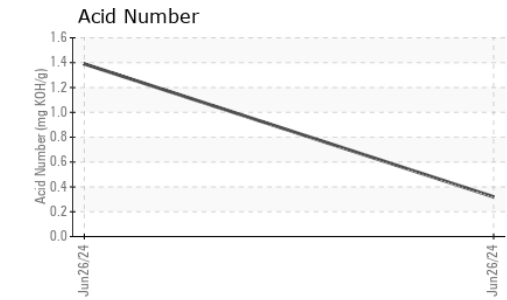
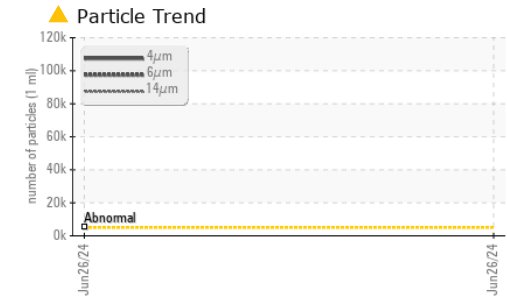
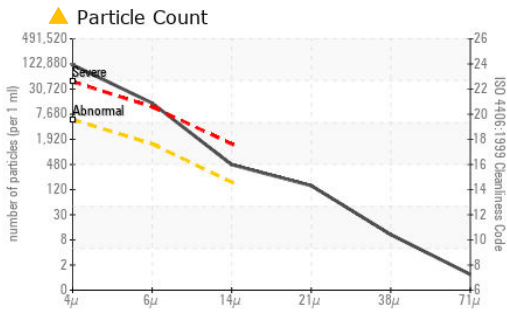
CONTAMINATION

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

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		HPL0004957	HPL0004958	---
Sample Date		Client Info		26 Jun 2024	26 Jun 2024	---
Machine Age	hrs	Client Info		1981	1981	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>20	14	5	---
Chromium	ppm	ASTM D5185m	>10	<1	0	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>10	2	1	---
Lead	ppm	ASTM D5185m	>10	<1	3	---
Copper	ppm	ASTM D5185m	>75	<1	24	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>20	4	9	---
Potassium	ppm	ASTM D5185m	>20	2	1	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	▲ 100676	---	---
Particles >6µm		ASTM D7647	>1300	▲ 12297	---	---
Particles >14µm		ASTM D7647	>160	▲ 418	---	---
Particles >21µm		ASTM D7647	>40	▲ 132	---	---
Particles >38µm		ASTM D7647	>10	9	---	---
Particles >71µm		ASTM D7647	>3	1	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 24/21/16	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---
Sodium	ppm	ASTM D5185m		1	2	---
Boron	ppm	ASTM D5185m		2	83	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	0	---
Manganese	ppm	ASTM D5185m		2	<1	---
Magnesium	ppm	ASTM D5185m		1	0	---
Calcium	ppm	ASTM D5185m		63	2567	---
Phosphorus	ppm	ASTM D5185m		406	945	---
Zinc	ppm	ASTM D5185m		45	1195	---
Sulfur	ppm	ASTM D5185m		9626	7762	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.32	1.39	---
Visc @ 40°C	cSt	ASTM D445		31.3	46.3	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : HPL0004957 **Received** : 01 Jul 2024
Lab Number : 06224654 **Tested** : 08 Jul 2024
Unique Number : 11102851 **Diagnosed** : 08 Jul 2024 - Jonathan Hester
Test Package : MOB 2

STEVENS ON CRANE
 410 STEVENSON DR
 BOLINGBROOK, IL
 US 60440
 Contact: DAVE KOEHNE
 davidk@stevensoncrane.com
 T: (630)972-9199
 F:

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)