WEAR CONTAMINATION **FLUID CONDITION**

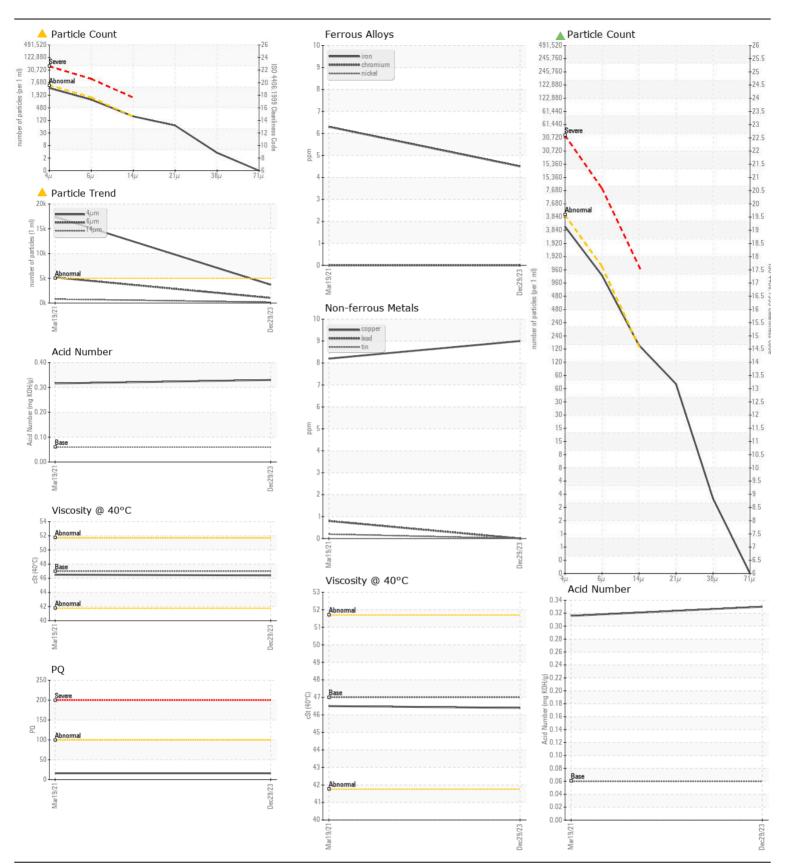
NORMAL ATTENTION NORMAL

[44078]

SAKAI 3SV59-60153

Component Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We recommend you service the filters on this component. Resample at the next service interval to monitor.	Sample Number		Client Info		JR0199292	JR0075502	
	Sample Date		Client Info		29 Dec 2023	19 Mar 2021	
	Machine Age	hrs	Client Info		991	446	
	Oil Age	hrs	Client Info		991	446	
	Filter Age	hrs	Client Info		0	446	
	Oil Changed		Client Info		N/A	Not Changd	
	Filter Changed		Client Info		N/A	Changed	
	Sample Status				ATTENTION	ABNORMAL	
VEAR	PQ		ASTM D8184		16	16	
TEAT	Iron	ppm	ASTM D5185m	>20	4	6	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0	0	
	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m	7.0	0	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>10	0	0	
	Lead	ppm	ASTM D5185m		0	<1	
	Copper	ppm	ASTM D5185m		9	8	
	Tin	ppm	ASTM D5185m		0	<1	
	Vanadium	ppm	ASTM D5185m	>10	0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
ONTAMINATION	0.00		AOTA DEADE				
CONTAMINATION	Silicon Potassium	ppm	ASTM D5185m ASTM D5185m		<1 0	<1 <1	
There is a light amount of silt (particulates < 14 microns in size) present in the oil.		ppm					
	Water		WC Method		NEG	NEG 4 1740F	
	Particles >4µm Particles >6µm		ASTM D7647 ASTM D7647		3681	▲ 17405 ▲ 5157	
					1029		
	Particles >14µm		ASTM D7647		▲ 165 ▲ 60	▲ 798 ▲ 226	
	Particles >21µm		ASTM D7647				
	Particles >38µm		ASTM D7647		3	3	
	Particles >71µm		ASTM D7647		0	0	
	Oil Cleanliness		ISO 4406 (c)			<u>21/20/17</u>	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	"Visuai	>0.1	NEG	NEG	
LUID CONDITION	Sodium	ppm	ASTM D5185m		<1	0	
The AN level is acceptable for this fluid. The search transfer of the 1915	Boron	ppm	ASTM D5185m		0	2	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		0	<1	
	Manganese	ppm	ASTM D5185m		0	<1	
	Magnesium	ppm	ASTM D5185m		0	2	
	Calcium	ppm	ASTM D5185m		65	62	
	Phosphorus	ppm	ASTM D5185m	827	323	286	
	Zinc	ppm	ASTM D5185m	0	286	331	
	Sulfur	ppm	ASTM D5185m	13	682	734	
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	0.33	0.316	
	Visc @ 40°C	cSt	ASTM D445	17	46.4	46.5	





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: JR0199292 : 06055858

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 09 Jan 2024 Recieved Diagnosed : 10 Jan 2024 : 10821807 : Wes Davis Diagnostician

Test Package : CONST (Additional Tests: PQ)

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) JRE - MANASSAS PARK 9107 OWENS DRIVE MANASSAS PARK, VA

US 20111 Contact: DON VEST

F: (703)631-4715

dvest@jamesriverequipment.com T: (703)631-8500