WEAR CONTAMINATION **FLUID CONDITION**

NORMAL ABNORMAL NORMAL

[BENCHMARK]

SAKAI SV540J 3SV53-10360

Component Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No compating patients are appropriately to the Compating of the Compating	Sample Number		Client Info		JR0203207		
No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		06 Feb 2024		
	Machine Age	hrs	Client Info		2204		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
WEAR	PQ		ASTM D8184		16		
VLAN	Iron	ppm	ASTM D5185m	>20	5		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	>10	0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	1		
	Lead	ppm	ASTM D5185m		- <1		
	Copper	ppm	ASTM D5185m		11		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m	210	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	2		
	Potassium	ppm	ASTM D5185m	>20	<1		
There is a high amount of silt (particulates < 14 microns in size) present in the oil.	Water		WC Method	>0.1	NEG		
	Particles >4µm		ASTM D7647	>5000	<u> </u>		
	Particles >6µm		ASTM D7647		<u> </u>		
	Particles >14μm		ASTM D7647	>160	135		
	Particles >21μm		ASTM D7647		17		
	Particles >38μm		ASTM D7647		0		
	Particles >71μm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		<u>^</u> 24/22/14		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m		0		
	Boron	ppm	ASTM D5185m		0		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		2		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		8		
	Calcium	ppm	ASTM D5185m		37		
	Phosphorus	ppm	ASTM D5185m		263		
	Zinc	ppm	ASTM D5185m		147		
	Sulfur	ppm	ASTM D5185m		2962		
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	0.15		
	Visc @ 40°C	cSt	ASTM D445		46.5		





Certificate L2367

Report Id: JAMMAN [WUSCAR] 06089503 (Generated: 02/22/2024 20:49:50) Rev: 1

Laboratory Sample No. Lab Number Unique Number : 10876948

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0203207 : 06089503

Received

Tested Diagnosed Test Package : CONST (Additional Tests: PQ)

: 15 Feb 2024 : 16 Feb 2024 - Don Baldridge

: 14 Feb 2024

JRE - MANASSAS PARK 9107 OWENS DRIVE MANASSAS PARK, VA US 20111

Contact: MARC GAUTROIS

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.

mgautrois@jamesriverequipment.com T: (703)606-7193 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (703)631-4715

Contact/Location: MARC GAUTROIS - JAMMAN