**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL SEVERE NORMAL** 

## **SAKAI VSV16-50707**

Component Vibratory Drum Gearbox

Test	LIOM	Method	Limit/Ahn	Current	History1	History2
	OOM		Little/ton		,	
·	hrs					
	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		N/A		
Sample Status				SEVERE		
PQ		ASTM D8184		185		
Iron	ppm	ASTM D5185m	>200	168		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		2		
Lead	ppm	ASTM D5185m		6		
Copper	ppm	ASTM D5185m		7		
Tin	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	MODER		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m		15		
Potassium	ppm	ASTM D5185m	>20	3		
Water	%	ASTM D6304	>0.2	1.24		
ppm Water	ppm	ASTM D6304	>2000	<b>12400</b>		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	▲ MILKY		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	0.2%		
Sodium	ppm	ASTM D5185m	>170	101		
Boron	ppm	ASTM D5185m	400	158		
Barium	ppm	ASTM D5185m	200	2		
Molybdenum	ppm	ASTM D5185m	12	1		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m	12	13		
Calcium	ppm	ASTM D5185m	150	344		
Phosphorus	ppm	ASTM D5185m	1650	939		
Zinc	ppm	ASTM D5185m	125	228		
Sulfur	ppm	ASTM D5185m	22500	23183		
Gairai	le le					
	Oil Changed Filter Changed Sample Status PQ Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Silicon Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status  PQ Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Water % ppm Water ppm Silt scalar Debris scalar Sand/Dirt scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Boron ppm Manganese ppm Magnesium ppm Calcium ppm Calcium ppm Phosphorus Zinc ppm	Sample Number Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Client Info Oil Age hrs Client Info Sample Status  PQ ASTM D8184 Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Valle Valle Valle Visual Silicon ppm ASTM D5185m Vater % ASTM D6304 ppm Water % ASTM D6304 Silt scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Appearance Scalar Odor scalar *Visual Scalar *Visual Sand/Dirt scalar *Visual Sand/Dirt scalar *Visual Scalar *Visual Scalar *Visual Scalar *Visual Appearance Scalar Scalar *Visual Appearance Scalar Appearance Scalar Scalar *Visual Scalar Appearance Scalar Scalar *Visual Appearance ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	Sample Number Sample Date Sample Date Machine Age hrs Client Info Oil Age hrs Client Info Client Info Oil Age hrs Client Info Oil Changed Filter Changed Sample Status  PQ ASTM D8184 Iron Ppm ASTM D5185m Silver Aluminum Ppm ASTM D5185m Lead Ppm ASTM D5185m Copper Ppm ASTM D5185m Vanadium Ppm ASTM D5185m Vone Valica Visual NONE Silicon Ppm ASTM D6304 Vo.2 Ppm Water Ppm ASTM D6305 Po.2 Po.2 Po.2 Po.2 Po.2 Po.2 Po.3 Po.3 Po.3 Po.3 Po.3 Po.3 Po.3 Po.3	Sample Number         Client Info         JR0180217           Sample Date         Client Info         09 Jan 2024           Machine Age         hrs         Client Info         0           Oil Age         hrs         Client Info         0           Filter Age         hrs         Client Info         0           Oil Changed         Client Info         N/A           Sample Status         SEVERE           PQ         ASTM D8184         185           Iron         ppm         ASTM D5185m         >200         168           Chromium         ppm         ASTM D5185m         >10         <1	Sample Number         Client Info         JR0180217            Sample Date         Client Info         09 Jan 2024            Machine Age         hrs         Client Info         1933            Oil Age         hrs         Client Info         0            Filter Age         hrs         Client Info         Changed            Oil Changed         Client Info         N/A            Sample Status         SEVERE            PQ         ASTM D8184         185            Iron         ppm         ASTM D8185m         >200         168            Chromium         ppm         ASTM D8185m         >10         <1





Certificate L2367

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

: JR0180217 : 06058340 : 10829722

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 11 Jan 2024 Diagnosed : 12 Jan 2024

Diagnostician : Sean Felton

Test Package : CONST ( Additional Tests: KF, PQ )

Contact: DAVID ZIEG dzieg@jamesriverequipment.com T: (804)798-6001

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.

Contact/Location: DAVID ZIEG - JAMASH

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

JRE - ASHLAND

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ASHLAND, VA

US 23005

11047 LEADBETTER RD