



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W67964]
 Machine Id
SAKAI VSV21-10309
 Component
Left Final Drive
 Fluid
GEAR OIL SAE 80W90 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W67964)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0205749	JR0178895	JR0170981
Sample Date		Client Info		08 Jul 2024	11 Oct 2023	13 Jul 2023
Machine Age	hrs	Client Info		6945	6795	6519
Oil Age	hrs	Client Info		6542	0	6392
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		97	140	160
Iron	ppm	ASTM D5185m	>500	122	175	121
Chromium	ppm	ASTM D5185m	>10	<1	1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	2	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	6	1
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	<1	<1	4
Tin	ppm	ASTM D5185m	>10	0	0	<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

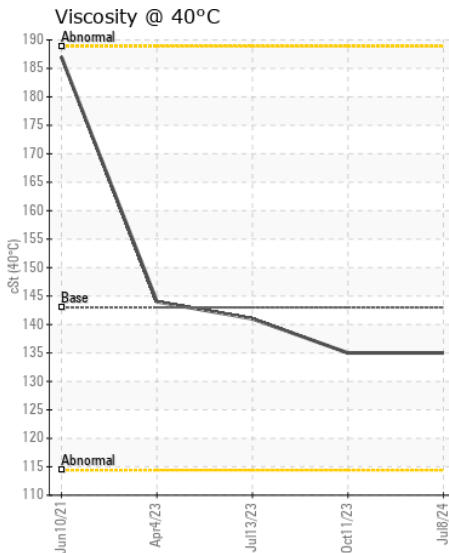
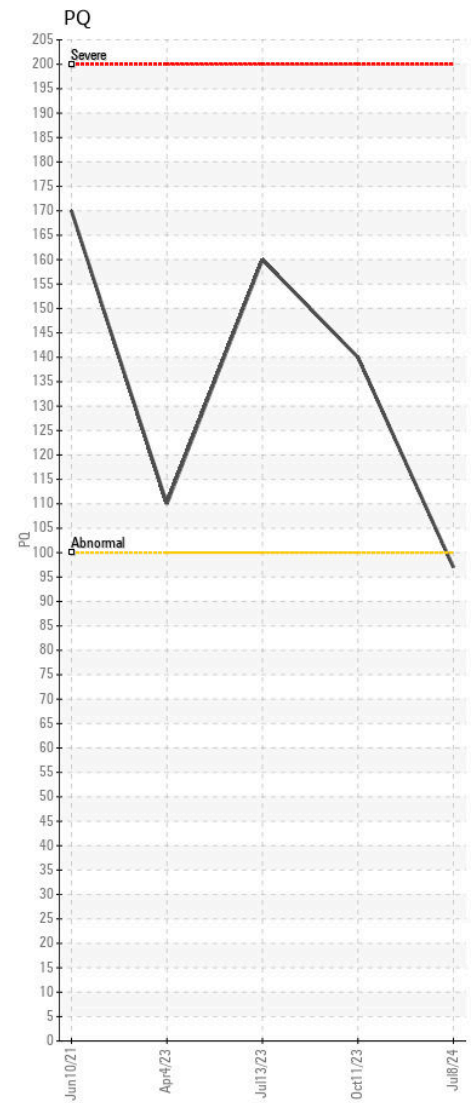
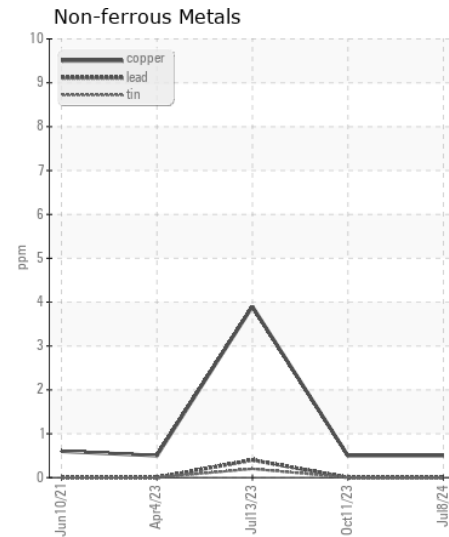
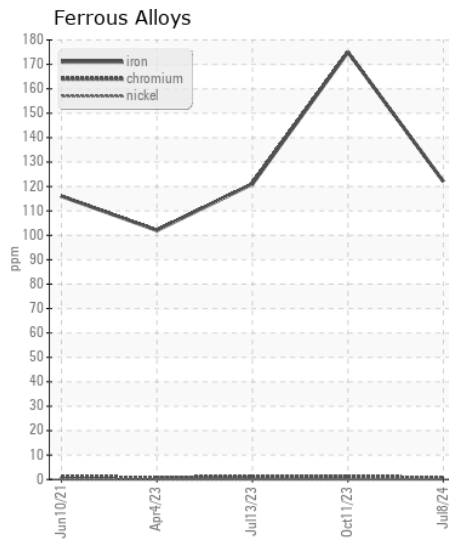
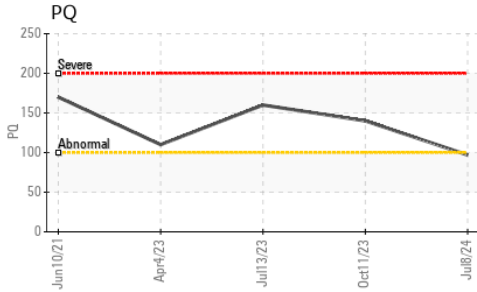
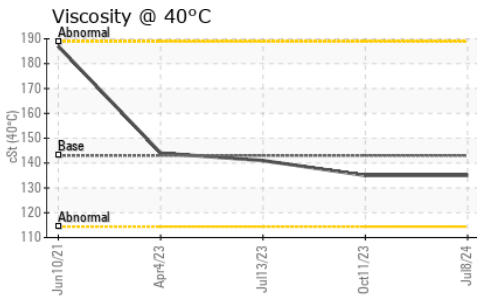
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>75	3	18	5
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	LIGHT
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
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	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>170	2	4	2
Boron	ppm	ASTM D5185m	400	34	11	46
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	0	0	<1
Manganese	ppm	ASTM D5185m		2	2	3
Magnesium	ppm	ASTM D5185m	12	2	15	0
Calcium	ppm	ASTM D5185m	150	22	9	66
Phosphorus	ppm	ASTM D5185m	1650	578	271	678
Zinc	ppm	ASTM D5185m	125	15	0	35
Sulfur	ppm	ASTM D5185m	22500	19343	15380	23641
Visc @ 40°C	cSt	ASTM D445	143	135	135	141



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0205749 **Received** : 10 Jul 2024
Lab Number : 06232440 **Tested** : 11 Jul 2024
Unique Number : 11115933 **Diagnosed** : 11 Jul 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269

Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.com

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)

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