WEAR CONTAMINATION **FLUID CONDITION**

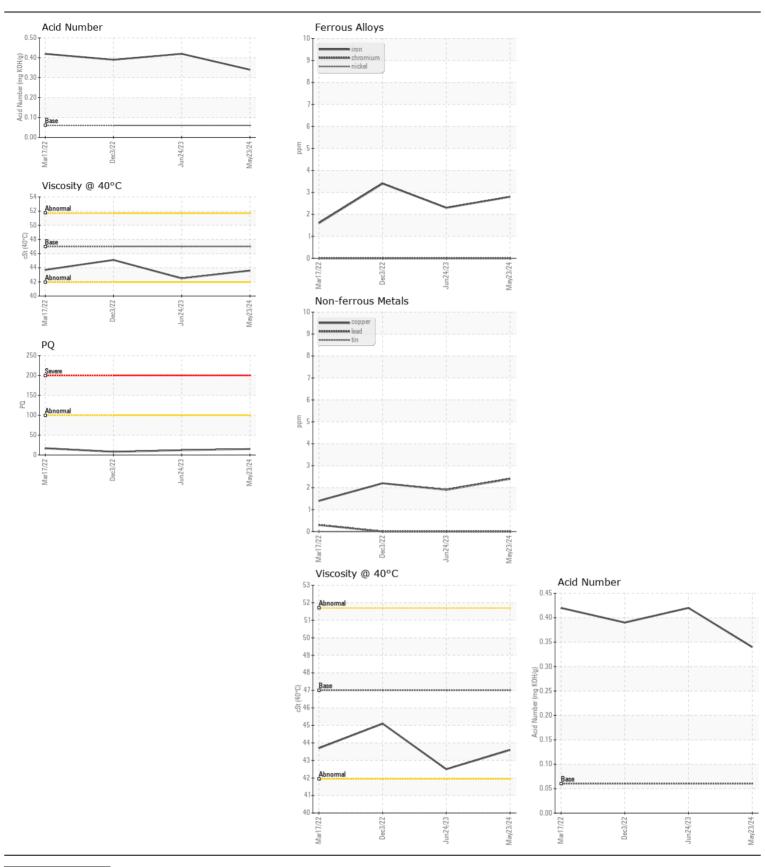
NORMAL ABNORMAL NORMAL

Machine Id

2120-0279

Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
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. We were unable to perform a particle count due to a high concentration of particles present in this sample.	Sample Number		Client Info		JR0211566	JR0165591	JR0147268
	Sample Date		Client Info		23 May 2024	24 Jun 2023	03 Dec 202
	Machine Age	hrs	Client Info		1451	938	711
	Oil Age	hrs	Client Info		0	938	711
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Not Changd	Not Changd	Not Change
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	NORMAL	NORMAL
VEAR	PQ		ASTM D8184		15	12	8
	Iron	ppm	ASTM D5185m	>20	3	2	3
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0	0	0
	Nickel	ppm	ASTM D5185m	>10	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>10	<1	2	0
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		2	2	2
	Tin	ppm	ASTM D5185m		0	0	0
	Vanadium	ppm	ASTM D5185m	710	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	nnm	ASTM D5185m	> 20	5	<1	1
ON I AWIINA I ION	Potassium	ppm	ASTM D5185m		0	0	0
Moderate concentration of visible dirt/debris present in the oil.	Water	ppm			-	NEG	NEG
			WC Method	>0.1	NEG	1388	3118
	Particles >4µm Particles >6µm		ASTM D7647			299	469
	Particles >14µm		ASTM D7647 ASTM D7647			26	25
	Particles >14µm		ASTM D7647			6	5
	Particles >21µm		ASTM D7647			0	0
	Particles >30µm		ASTM D7647			0	0
	Oil Cleanliness		ISO 4406 (c)			18/15/12	19/16/1
	Silt	000101	*Visual		NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	▲ MODER	NONE	NONE
	Sand/Dirt	scalar				NONE	NONE
		scalar	*Visual *Visual	NONE	NONE	NORML	NORM
	Appearance Odor	scalar		NORML	NORML		
		scalar scalar	*Visual	NORML	NORML NEG	NORML NEG	NORM
<u></u>	Emulsified Water	Scalai	VISUAI	>0.1	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m		<1	<1	<1
	Boron	ppm	ASTM D5185m		0	0	0
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	4	0
	Molybdenum	ppm	ASTM D5185m		0	0	<1
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m		31	35	42
	Calcium	ppm	ASTM D5185m		15	4	15
	Phosphorus	ppm	ASTM D5185m	827	285	219	281
	Zinc	ppm	ASTM D5185m		281	287	332
	Sulfur	ppm	ASTM D5185m		1170	1324	1376
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.34	0.42	0.39





Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06190951

: JR0211566 Unique Number : 11047703

Received Tested

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

: 24 May 2024 : 30 May 2024 Diagnosed

: 30 May 2024 - Don Baldridge

JRE - ASHLAND 11047 LEADBETTER RD ASHLAND, VA US 23005 Contact: DAVID ZIEG

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.

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

Report Id: JAMASH [WUSCAR] 06190951 (Generated: 05/30/2024 11:52:09) Rev: 1

Contact/Location: DAVID ZIEG - JAMASH

F: (804)798-0292