CONST

James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area
[W64409]
Machine Id
KX80 (S/N 25504)
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 46 (24 GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: W64409)

WEAR

All component wear rates are normal.

CONTAMINATION

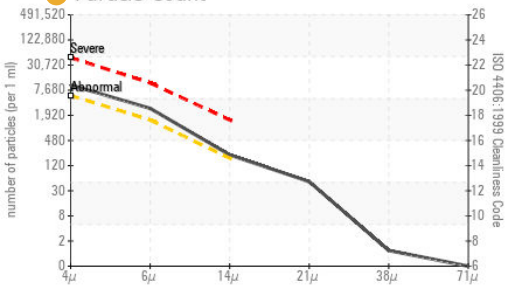
There is a moderate amount of particulates present in the oil.

FLUID CONDITION

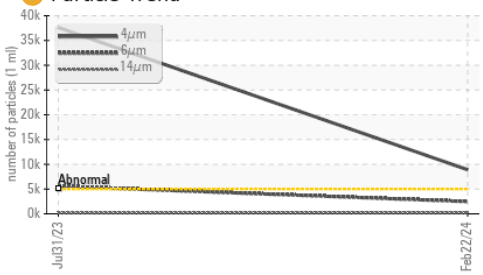
The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0203445	JR0179034	---
Sample Date		Client Info		22 Feb 2024	31 Jul 2023	---
Machine Age	hrs	Client Info		6960	6496	---
Oil Age	hrs	Client Info		6960	6496	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				ATTENTION	ABNORMAL	---
PQ		ASTM D8184		11	10	---
Iron	ppm	ASTM D5185m	>20	<1	1	---
Chromium	ppm	ASTM D5185m	>10	<1	0	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	<1	0	---
Lead	ppm	ASTM D5185m	>10	0	<1	---
Copper	ppm	ASTM D5185m	>75	2	0	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>20	<1	2	---
Potassium	ppm	ASTM D5185m	>20	0	<1	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	8904	▲ 37613	---
Particles >6µm		ASTM D7647	>1300	2466	▲ 5573	---
Particles >14µm		ASTM D7647	>160	191	154	---
Particles >21µm		ASTM D7647	>40	44	40	---
Particles >38µm		ASTM D7647	>10	1	2	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/15	▲ 22/20/14	---
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	*Visual	>0.1	NEG	NEG	---
Sodium	ppm	ASTM D5185m		0	0	---
Boron	ppm	ASTM D5185m	5	0	2	---
Barium	ppm	ASTM D5185m	5	0	0	---
Molybdenum	ppm	ASTM D5185m	5	0	4	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m	25	1	12	---
Calcium	ppm	ASTM D5185m	200	149	26	---
Phosphorus	ppm	ASTM D5185m	300	349	642	---
Zinc	ppm	ASTM D5185m	370	298	23	---
Sulfur	ppm	ASTM D5185m	2500	3002	61	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.36	0.053	---
Visc @ 40°C	cSt	ASTM D445	46	44.2	48.2	---

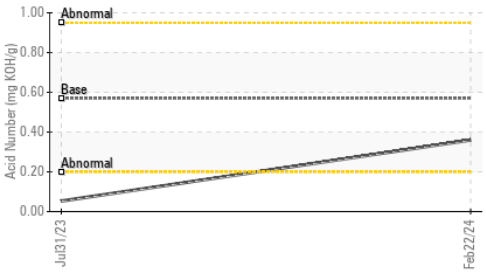
Particle Count



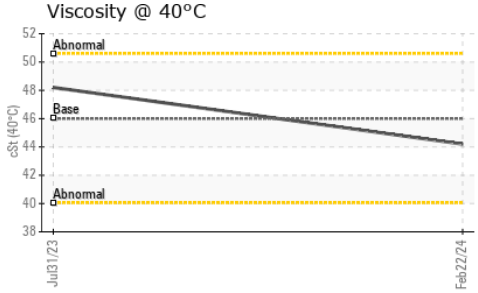
Particle Trend



Acid Number

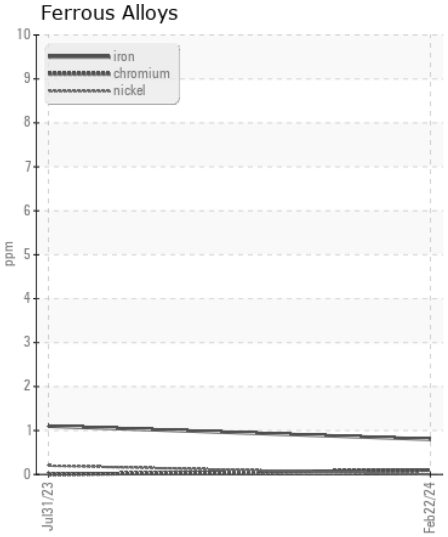


Viscosity @ 40°C

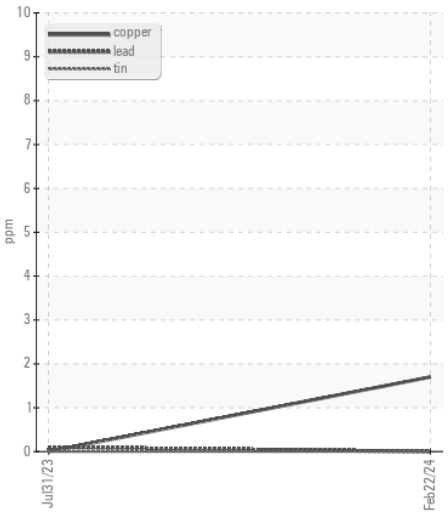


PQ

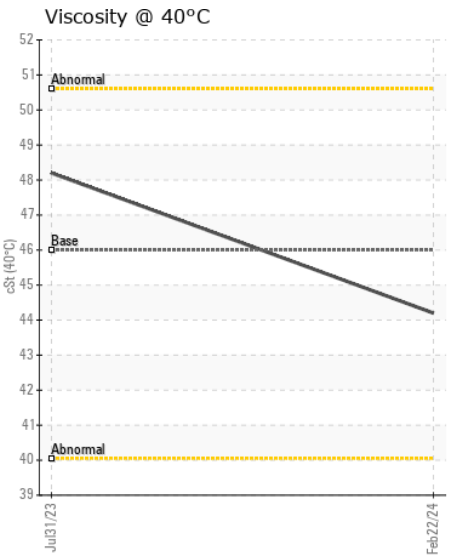
Ferrous Alloys



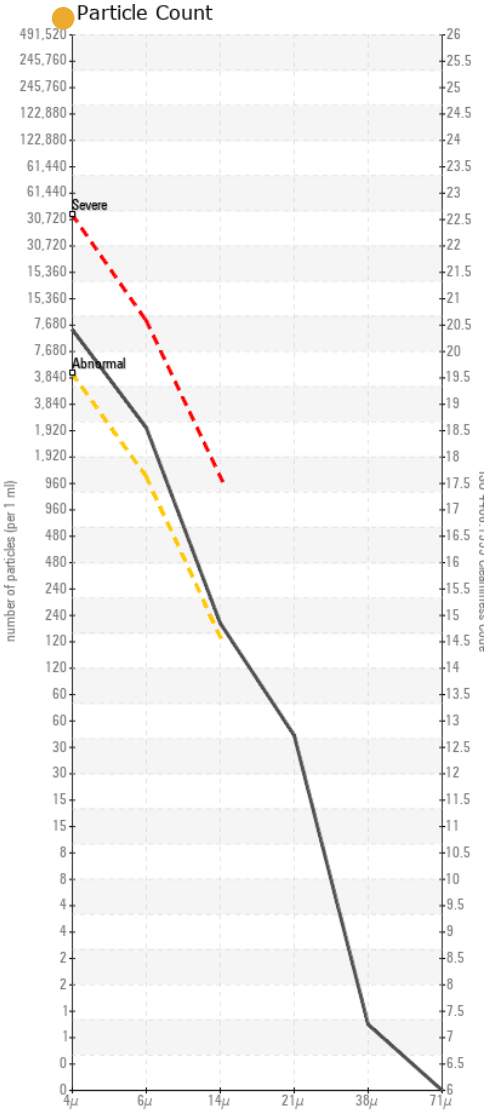
Non-ferrous Metals



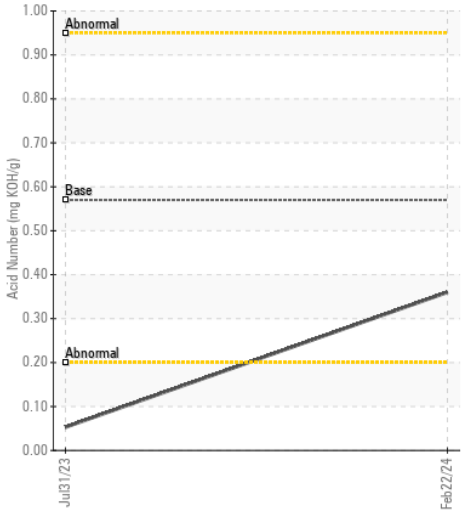
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0203445
Lab Number : 06101516
Unique Number : 10899746
Test Package : CONST (Additional Tests: PQ)

Received : 27 Feb 2024
Tested : 28 Feb 2024
Diagnosed : 29 Feb 2024 - Jonathan Hester

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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