James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
INTERNATIONAL 4200 V44
Component
Transmission (Auto)
Fluid
GEAR OIL SAE 80W140 (--- GAL)

RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

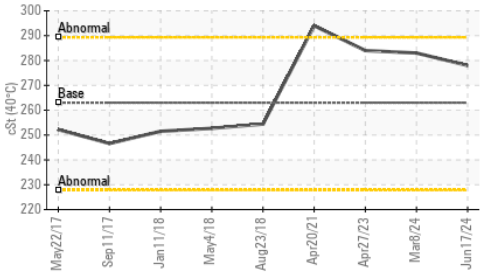
Moderate concentration of visible dirt/debris present in the fluid.

FLUID CONDITION

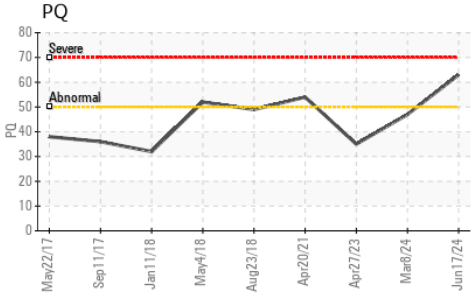
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0219548**	JR0203834	JR0155078
Sample Date		Client Info		**17 Jun 2024**	08 Mar 2024	27 Apr 2023
Machine Age	hrs	Client Info		**4074**	2324	1927
Oil Age	hrs	Client Info		**3514**	810	413
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Filter Changed		Client Info		**Changed**	Changed	N/A
Sample Status				**ABNORMAL**	NORMAL	NORMAL
PQ		ASTM D8184	>50	**63**	47	35
Iron	ppm	ASTM D5185m	>160	**56**	54	46
Chromium	ppm	ASTM D5185m	>5	**0**	<1	<1
Nickel	ppm	ASTM D5185m	>5	**<1**	<1	0
Titanium	ppm	ASTM D5185m		**<1**	<1	0
Silver	ppm	ASTM D5185m	>5	**0**	0	0
Aluminum	ppm	ASTM D5185m	>50	**2**	2	0
Lead	ppm	ASTM D5185m	>50	**0**	<1	0
Copper	ppm	ASTM D5185m	>225	**0**	1	<1
Tin	ppm	ASTM D5185m	>10	**0**	<1	0
Vanadium	ppm	ASTM D5185m		**0**	<1	0
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	**8**	7	5
Potassium	ppm	ASTM D5185m	>20	**<1**	1	<1
Water		WC Method	>0.1	**NEG**	NEG	NEG
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	▲ **MODER**	LIGHT	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	>0.1	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185m		**4**	<1	2
Boron	ppm	ASTM D5185m	400	**256**	319	277
Barium	ppm	ASTM D5185m	200	**0**	0	0
Molybdenum	ppm	ASTM D5185m	12	**0**	<1	<1
Manganese	ppm	ASTM D5185m		**2**	1	1
Magnesium	ppm	ASTM D5185m	12	**2**	2	0
Calcium	ppm	ASTM D5185m	150	**51**	<1	0
Phosphorus	ppm	ASTM D5185m	1650	**1028**	970	1020
Zinc	ppm	ASTM D5185m	125	**22**	3	0
Sulfur	ppm	ASTM D5185m	22500	**22197**	19665	22449
Visc @ 40°C	cSt	ASTM D445	263	**278**	283	284

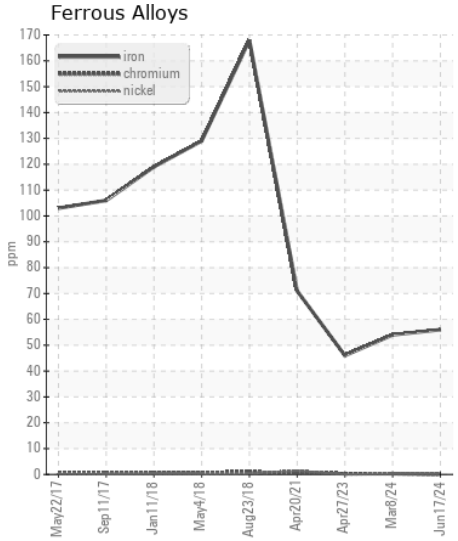
Viscosity @ 40°C



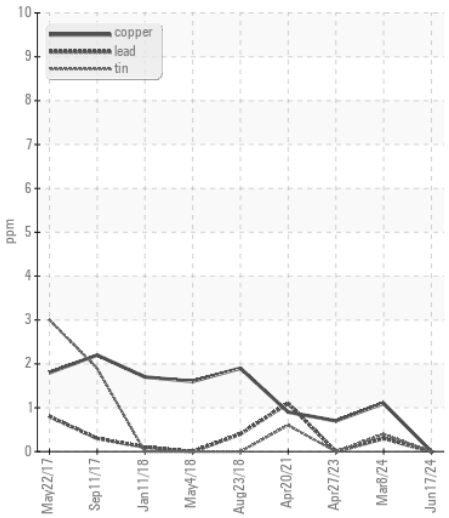
PQ



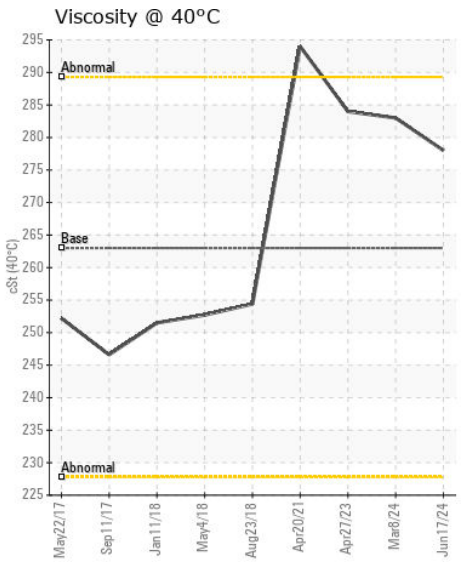
Ferrous Alloys



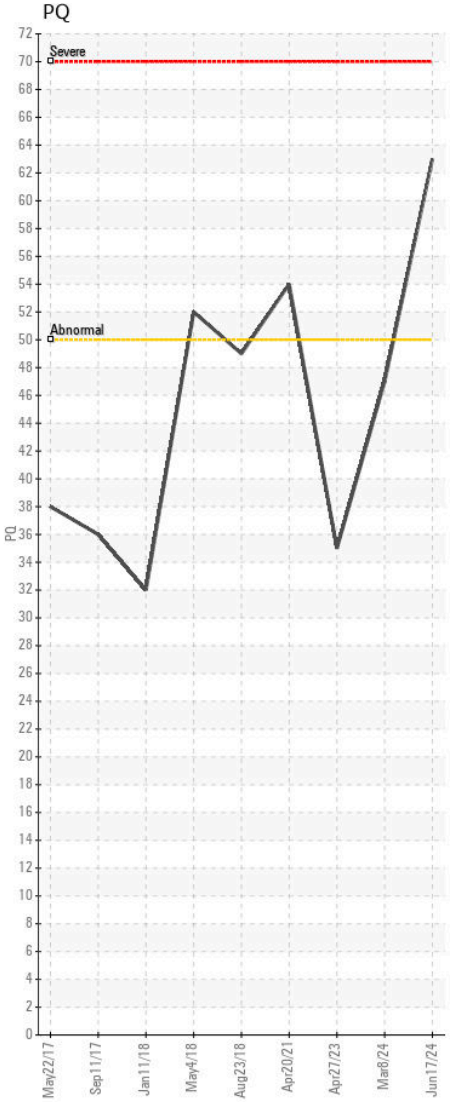
Non-ferrous Metals



Viscosity @ 40°C



PQ



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0219548
Lab Number : 06226482
Unique Number : 11109975
Test Package : CONST (Additional Tests: PQ)

Received : 02 Jul 2024
Tested : 03 Jul 2024
Diagnosed : 05 Jul 2024 - Don Baldridge

MATTHEWS CONSTRUCTION
127 GRAYSON RD
ROCK HILL, SC
US 29732
Contact: Tad Clinton
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T: (803)207-5607
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Certificate L2367

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)