James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
FORD F150 V101
Component
Front Differential
Fluid
GEAR OIL SAE 80W140 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

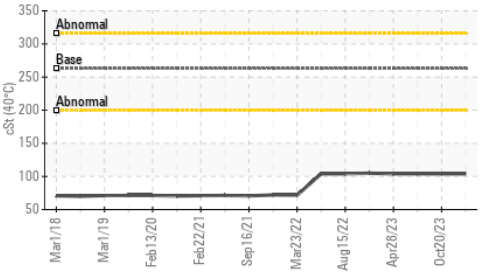
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0193332	JR0144761	JR0178978
Sample Date		Client Info		16 Jan 2024	20 Oct 2023	09 Aug 2023
Machine Age	mls	Client Info		114673	109183	104052
Oil Age	mls	Client Info		20687	35966	5266
Filter Age	mls	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				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184		58	15	16
Iron	ppm	ASTM D5185m	>1206	31	16	9
Chromium	ppm	ASTM D5185m	>9	<1	0	0
Nickel	ppm	ASTM D5185m	>9	0	0	0
Titanium	ppm	ASTM D5185m		51	23	28
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>72	2	1	<1
Lead	ppm	ASTM D5185m	>56	0	0	0
Copper	ppm	ASTM D5185m	>57	<1	0	<1
Tin	ppm	ASTM D5185m	>6	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>344	12	12	9
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
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	>.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		<1	1	<1
Boron	ppm	ASTM D5185m	400	305	301	349
Barium	ppm	ASTM D5185m	200	2	0	0
Molybdenum	ppm	ASTM D5185m	12	0	0	0
Manganese	ppm	ASTM D5185m		2	1	2
Magnesium	ppm	ASTM D5185m	12	0	0	0
Calcium	ppm	ASTM D5185m	150	30	43	1
Phosphorus	ppm	ASTM D5185m	1650	1222	1428	1354
Zinc	ppm	ASTM D5185m	125	0	17	0
Sulfur	ppm	ASTM D5185m	22500	23234	22220	25056
Visc @ 40°C	cSt	ASTM D445	263	104	104	104

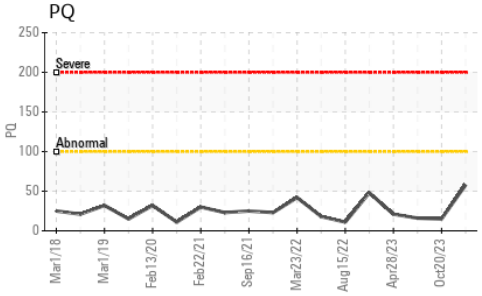
Report Id: MATROC [WUSCAR] 06082734 (Generated: 02/09/2024 11:23:08) Rev: 1

Contact/Location: Tad Clinton - MATROC

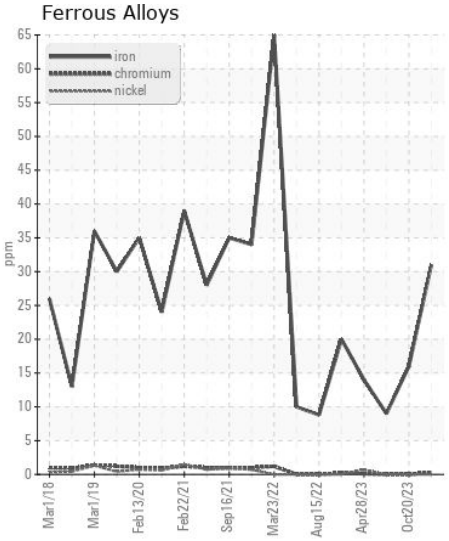
Viscosity @ 40°C



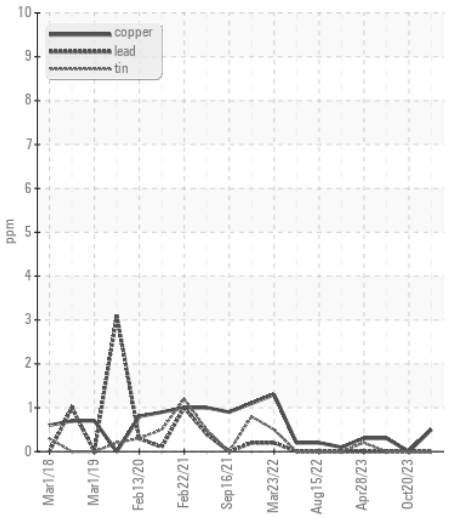
PQ



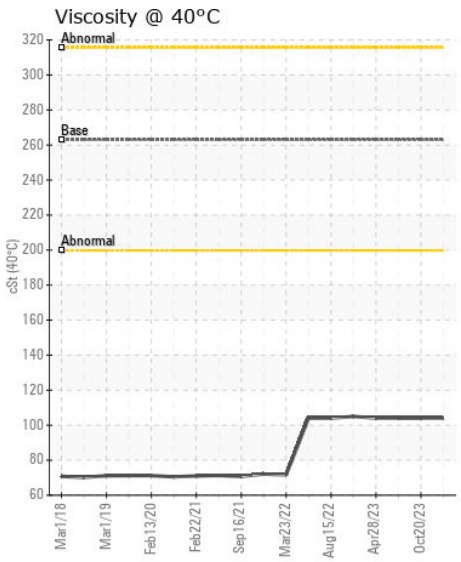
Ferrous Alloys



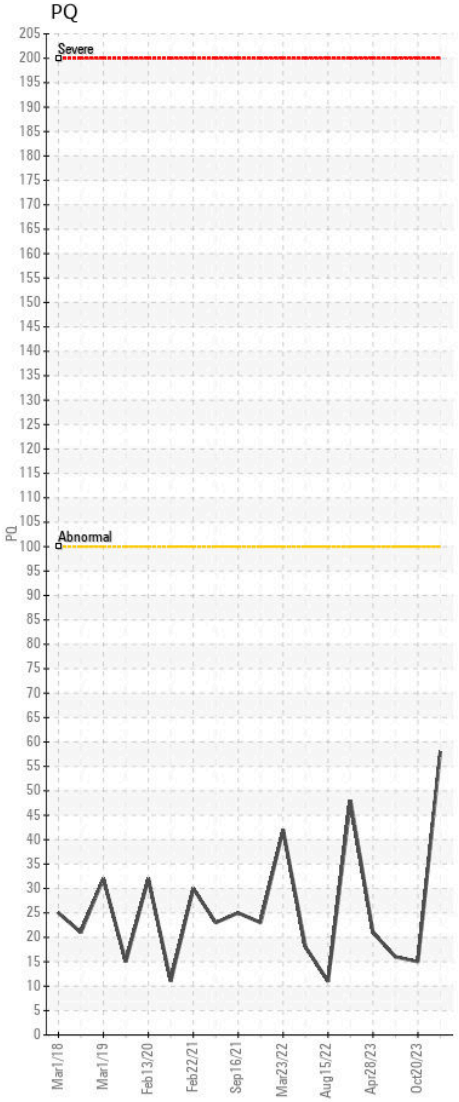
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0193332
Lab Number : 06082734
Unique Number : 10870179
Test Package : CONST (Additional Tests: PQ)

Received : 07 Feb 2024
Tested : 08 Feb 2024
Diagnosed : 09 Feb 2024 - Sean Felton

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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