James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
FORD F250 V68
Component
Front Differential
Fluid
GEAR OIL SAE 80W140 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

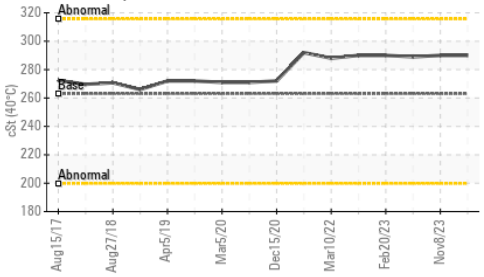
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0189089**	JR0178773	JR0171686
Sample Date		Client Info		**01 Feb 2024**	08 Nov 2023	26 Jun 2023
Machine Age	mls	Client Info		**337036**	331494	149603
Oil Age	mls	Client Info		**34711**	29169	23359
Filter Age	mls	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	Not Changd	Not Changd
Filter Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**NORMAL**	NORMAL	NORMAL
PQ		ASTM D8184		**31**	16	20
Iron	ppm	ASTM D5185m	>1700	**30**	13	12
Chromium	ppm	ASTM D5185m	>5	**<1**	0	0
Nickel	ppm	ASTM D5185m	>75	**<1**	<1	0
Titanium	ppm	ASTM D5185m		**1**	<1	<1
Silver	ppm	ASTM D5185m	>2	**0**	0	0
Aluminum	ppm	ASTM D5185m	>6	**2**	2	<1
Lead	ppm	ASTM D5185m	>3	**0**	0	0
Copper	ppm	ASTM D5185m	>18	**0**	0	<1
Tin	ppm	ASTM D5185m	>5	**0**	0	0
Vanadium	ppm	ASTM D5185m		**0**	<1	<1
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>140	**89**	78	30
Potassium	ppm	ASTM D5185m	>20	**<1**	3	2
Water		WC Method	>.2	**NEG**	NEG	NEG
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	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	>.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185m		**<1**	<1	<1
Boron	ppm	ASTM D5185m	400	**234**	279	291
Barium	ppm	ASTM D5185m	200	**0**	0	0
Molybdenum	ppm	ASTM D5185m	12	**0**	0	0
Manganese	ppm	ASTM D5185m		**<1**	0	1
Magnesium	ppm	ASTM D5185m	12	**0**	0	0
Calcium	ppm	ASTM D5185m	150	**0**	0	0
Phosphorus	ppm	ASTM D5185m	1650	**919**	865	953
Zinc	ppm	ASTM D5185m	125	**0**	1	0
Sulfur	ppm	ASTM D5185m	22500	**16971**	18760	22653
Visc @ 40°C	cSt	ASTM D445	263	**290**	290	289

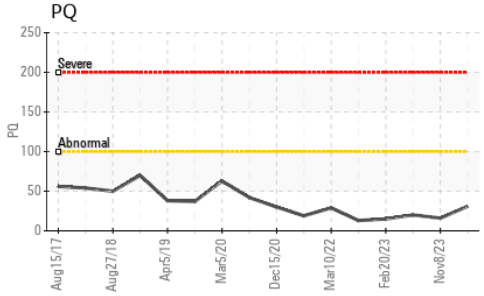
Report Id: MATROC [WUSCAR] 06082818 (Generated: 02/08/2024 07:31:23) Rev: 1

Contact/Location: Tad Clinton - MATROC

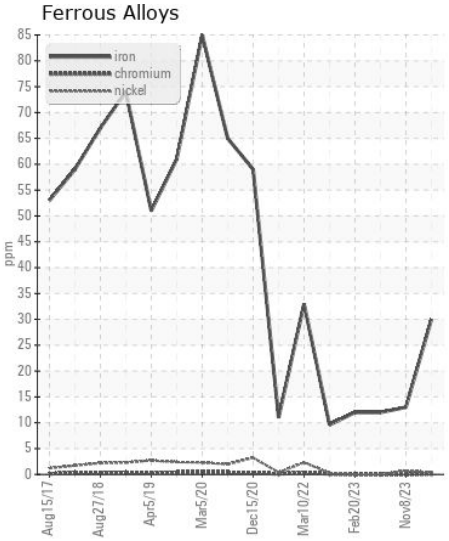
Viscosity @ 40°C



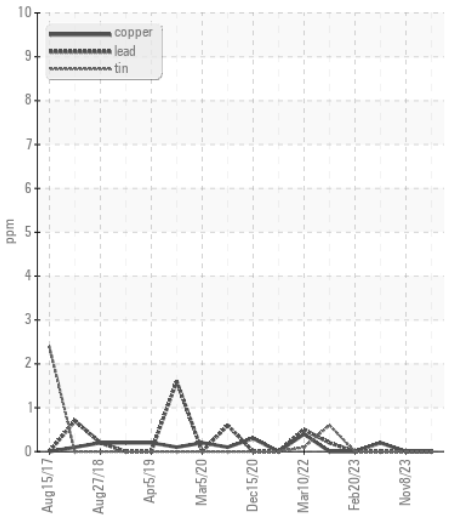
PQ



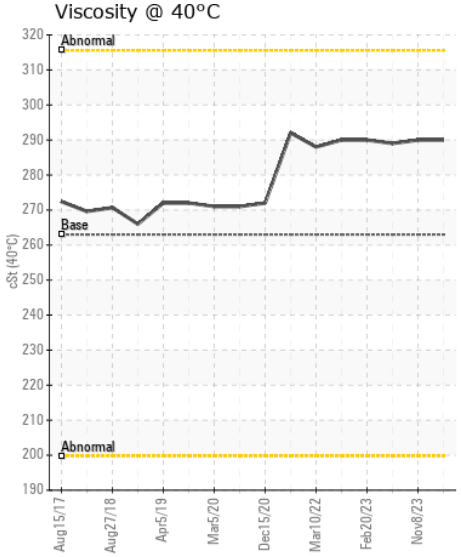
Ferrous Alloys



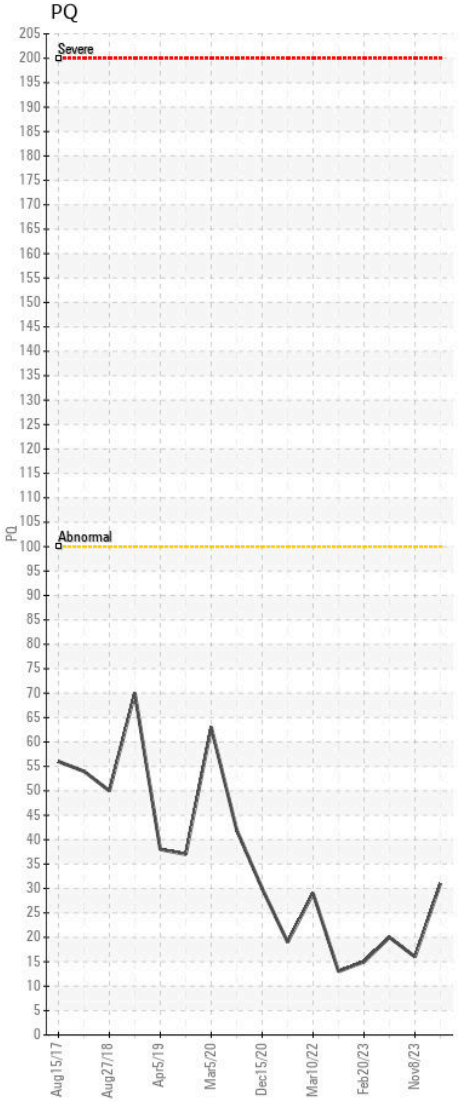
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513			**MATTHEWS CONSTRUCTION**
Sample No.	: JR0189089	**Received**	: 07 Feb 2024	127 GRAYSON RD
Lab Number	: 06082818	**Tested**	: 08 Feb 2024	ROCK HILL, SC
Unique Number	: 10870263	**Diagnosed**	: 08 Feb 2024 - Wes Davis	US 29732
Test Package	: CONST (Additional Tests: PQ)			Contact: Tad Clinton

To discuss this sample report, contact Customer Service at 1-800-237-1369. tclinton@matthewsconstructionco.com

** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.* T: (803)207-5607

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