James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
FORD F250 V68
Component
Transfer Case
Fluid
DEXRON III (2 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DEXRON III. Please confirm.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

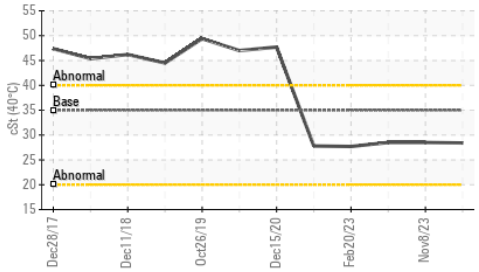
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0189088**	JR0178776	JR0171646
Sample Date		Client Info		**01 Feb 2024**	08 Nov 2023	10 Aug 2023
Machine Age	mls	Client Info		**337036**	331494	0
Oil Age	mls	Client Info		**16457**	10915	5273
Filter Age	mls	Client Info		**0**	0	0
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Filter Changed		Client Info		**Changed**	N/A	N/A
Sample Status				**NORMAL**	NORMAL	NORMAL
PQ		ASTM D8184		**17**	30	19
Iron	ppm	ASTM D5185m	>500	**20**	41	18
Chromium	ppm	ASTM D5185m	>5	**<1**	<1	0
Nickel	ppm	ASTM D5185m	>5	**0**	0	0
Titanium	ppm	ASTM D5185m		**<1**	0	<1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>45	**5**	4	5
Lead	ppm	ASTM D5185m	>150	**0**	0	0
Copper	ppm	ASTM D5185m	>100	**11**	9	6
Tin	ppm	ASTM D5185m	>5	**<1**	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	>85	**8**	6	7
Potassium	ppm	ASTM D5185m	>20	**0**	0	0
Water		WC Method	>0.2	**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	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185m		**1**	2	<1
Boron	ppm	ASTM D5185m		**90**	109	115
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**0**	<1	0
Manganese	ppm	ASTM D5185m		**1**	<1	<1
Magnesium	ppm	ASTM D5185m		**<1**	0	0
Calcium	ppm	ASTM D5185m		**165**	229	224
Phosphorus	ppm	ASTM D5185m		**210**	195	219
Zinc	ppm	ASTM D5185m		**44**	39	29
Sulfur	ppm	ASTM D5185m		**1235**	1682	1953
Visc @ 40°C	cSt	ASTM D445	35.0	**28.4**	28.5	28.5

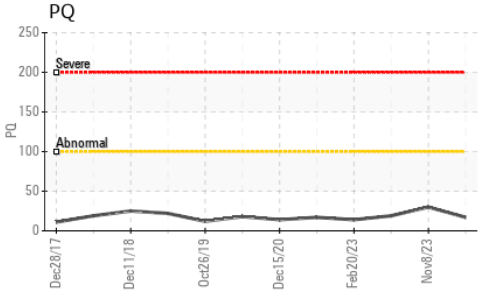
Report Id: MATROC [WUSCAR] 06082815 (Generated: 02/08/2024 07:31:32) Rev: 1

Contact/Location: Tad Clinton - MATROC

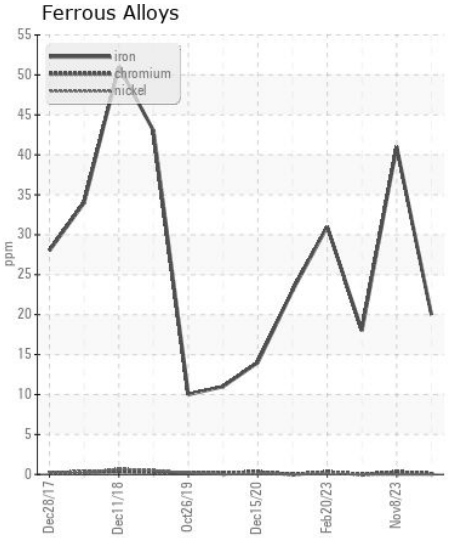
Viscosity @ 40°C



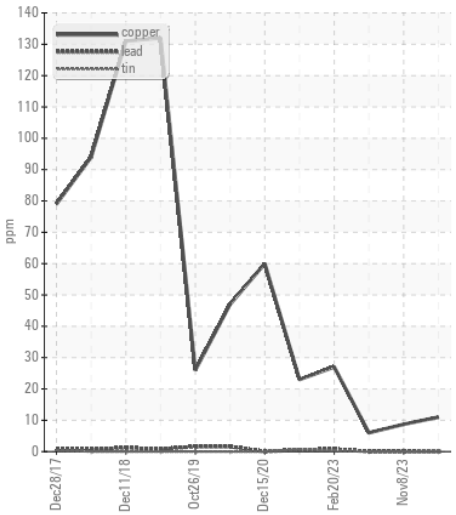
PQ



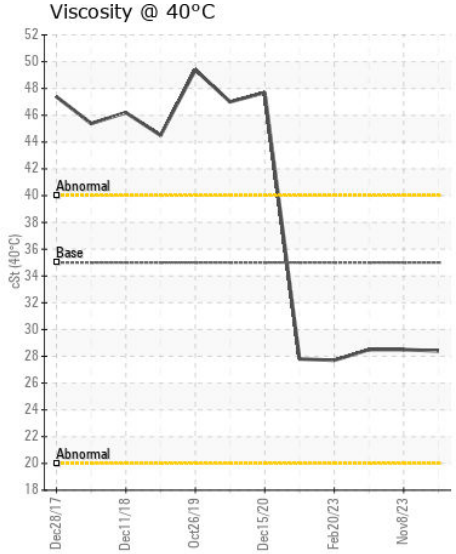
Ferrous Alloys



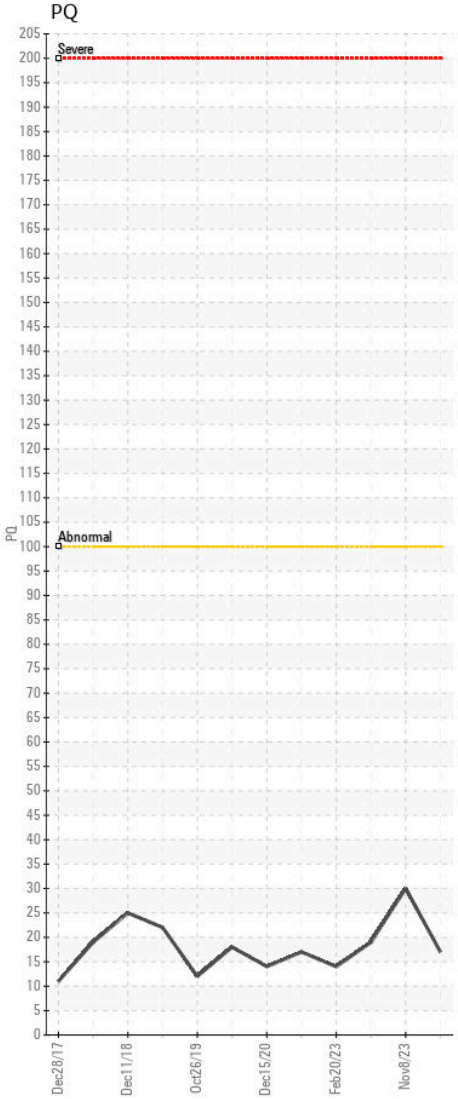
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0189088
Lab Number : 06082815
Unique Number : 10870260
Test Package : CONST (Additional Tests: PQ)

Received : 07 Feb 2024
Tested : 08 Feb 2024
Diagnosed : 08 Feb 2024 - Wes Davis

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)

MATTHEWS CONSTRUCTION
127 GRAYSON RD
ROCK HILL, SC
US 29732
Contact: Tad Clinton
tclinton@matthewsconstructionco.com
T: (803)207-5607
F: