James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
4032
Component
Right Final Drive
Fluid
GEAR OIL SAE 75W90 (--- 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

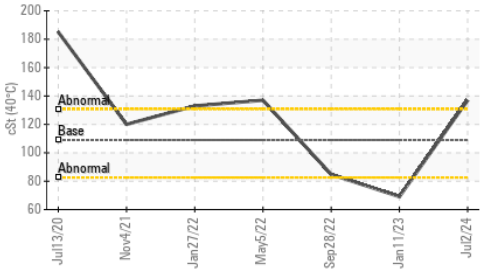
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0210381**	JR0152031	JR0137906
Sample Date		Client Info		**02 Jul 2024**	11 Jan 2023	28 Sep 2022
Machine Age	hrs	Client Info		**6924**	3931	3539
Oil Age	hrs	Client Info		**2000**	0	0
Filter Age	hrs	Client Info		**2000**	0	0
Oil Changed		Client Info		**Changed**	N/A	N/A
Filter Changed		Client Info		**Changed**	N/A	N/A
Sample Status				**NORMAL**	ATTENTION	ATTENTION
PQ		ASTM D8184	>1250	**66**	60	71
Iron	ppm	ASTM D5185m	>750	**170**	67	70
Chromium	ppm	ASTM D5185m	>9	**3**	1	1
Nickel	ppm	ASTM D5185m	>10	**<1**	0	0
Titanium	ppm	ASTM D5185m		**1**	0	0
Silver	ppm	ASTM D5185m		**<1**	0	0
Aluminum	ppm	ASTM D5185m	>40	**14**	<1	2
Lead	ppm	ASTM D5185m	>15	**0**	0	0
Copper	ppm	ASTM D5185m	>40	**<1**	<1	<1
Tin	ppm	ASTM D5185m	>10	**0**	0	0
Vanadium	ppm	ASTM D5185m		**<1**	0	0
White Metal	scalar	*Visual	NONE	**NONE**	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	**39**	5	6
Potassium	ppm	ASTM D5185m	>20	**6**	<1	0
Water		WC Method	>0.075	**NEG**	NEG	NEG
Silt	scalar	*Visual	NONE	**MODER**	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	>0.075	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	**0**	1	0
Boron	ppm	ASTM D5185m	400	**11**	2	5
Barium	ppm	ASTM D5185m	200	**0**	0	0
Molybdenum	ppm	ASTM D5185m	12	**<1**	<1	1
Manganese	ppm	ASTM D5185m		**2**	1	1
Magnesium	ppm	ASTM D5185m	12	**3**	2	2
Calcium	ppm	ASTM D5185m	150	**6**	60	10
Phosphorus	ppm	ASTM D5185m	1650	**319**	392	411
Zinc	ppm	ASTM D5185m	125	**13**	0	8
Sulfur	ppm	ASTM D5185m	22500	**19037**	7493	11878
Visc @ 40°C	cSt	ASTM D445	109	**137**	69.1	84.8

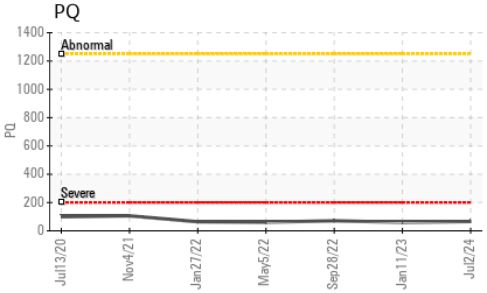
Report Id: PATSTE [WUSCAR] 06240610 (Generated: 07/21/2024 10:59:40) Rev: 1

Submitted By: BRANDON STEVENS

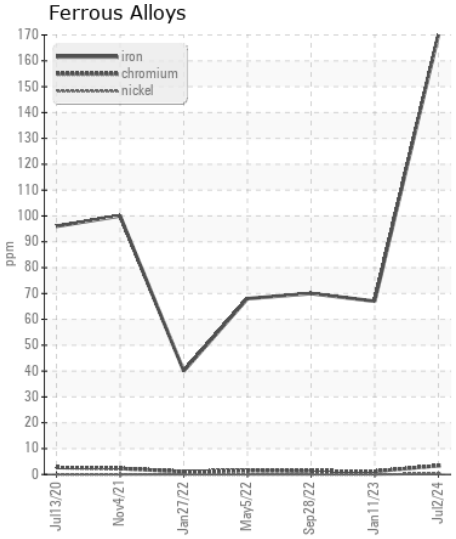
Viscosity @ 40°C



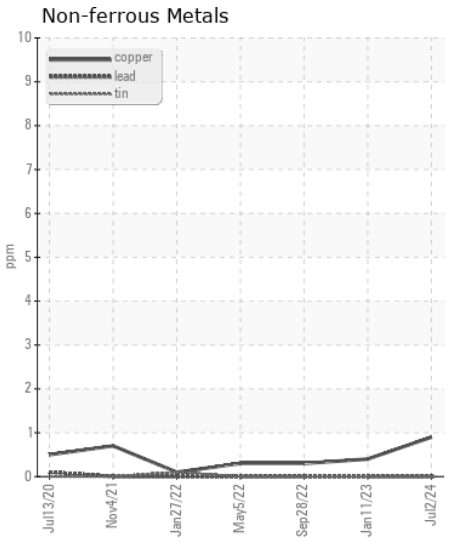
PQ



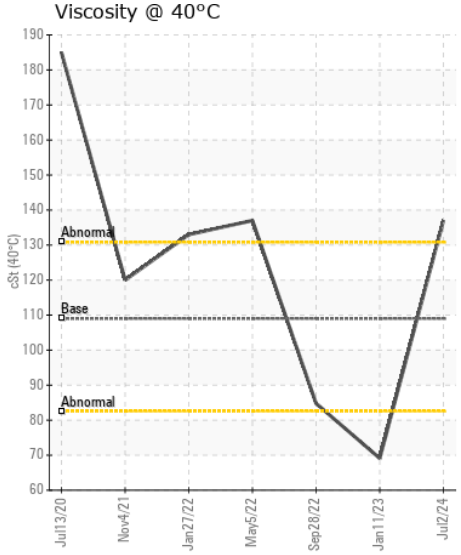
Ferrous Alloys



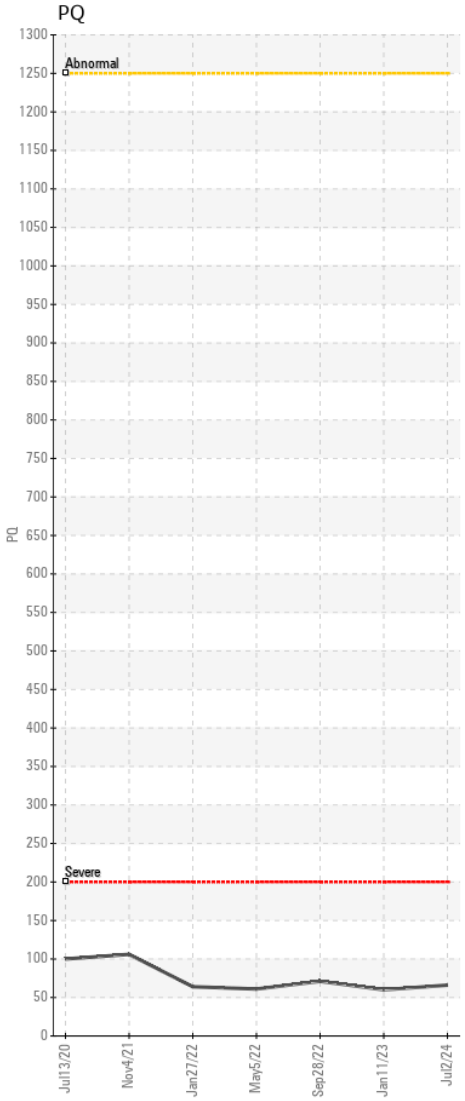
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0210381
Lab Number : 06240610
Unique Number : 11129444
Test Package : CONST (Additional Tests: PQ)

Received : 18 Jul 2024
Tested : 19 Jul 2024
Diagnosed : 20 Jul 2024 - Don Baldridge

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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