James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
HITACHI 250LC 1FFDC270VJF440228
Component
Left Final Drive
Fluid
GEAR OIL SAE 80W90 (2 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

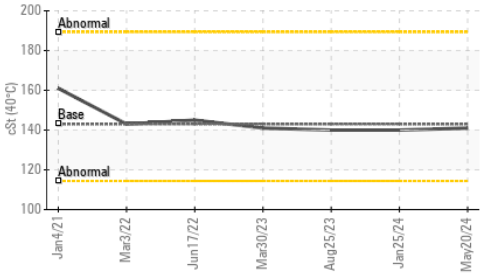
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215699	JR0198111	JR0177987
Sample Date		Client Info		20 May 2024	25 Jan 2024	25 Aug 2023
Machine Age	hrs	Client Info		6999	6584	6053
Oil Age	hrs	Client Info		6468	531	580
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL
PQ		ASTM D8184		15	282	473
Iron	ppm	ASTM D5185m	>500	2	▲ 592	▲ 1114
Chromium	ppm	ASTM D5185m	>10	0	6	● 9
Nickel	ppm	ASTM D5185m	>10	0	2	3
Titanium	ppm	ASTM D5185m		0	6	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	● 70	● 47
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m	>50	0	<1	2
Tin	ppm	ASTM D5185m	>10	0	<1	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	>75	4	▲ 168	▲ 154
Potassium	ppm	ASTM D5185m	>20	0	10	5
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	>170	0	5	3
Boron	ppm	ASTM D5185m	400	<1	8	7
Barium	ppm	ASTM D5185m	200	0	<1	0
Molybdenum	ppm	ASTM D5185m	12	0	0	<1
Manganese	ppm	ASTM D5185m		0	6	8
Magnesium	ppm	ASTM D5185m	12	0	12	5
Calcium	ppm	ASTM D5185m	150	3	21	8
Phosphorus	ppm	ASTM D5185m	1650	299	397	327
Zinc	ppm	ASTM D5185m	125	0	7	3
Sulfur	ppm	ASTM D5185m	22500	21480	19067	21991
Visc @ 40°C	cSt	ASTM D445	143	141	140	140

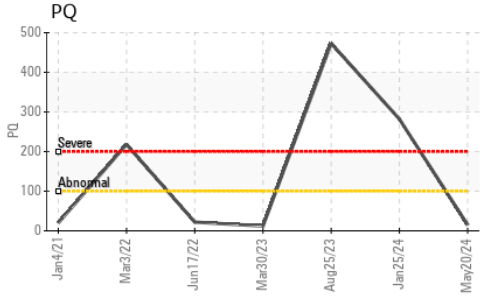
Report Id: JAMCHA [WUSCAR] 06187971 (Generated: 05/24/2024 16:21:09) Rev: 1

Submitted By: Mike Young - CHARLOTTE SHOP

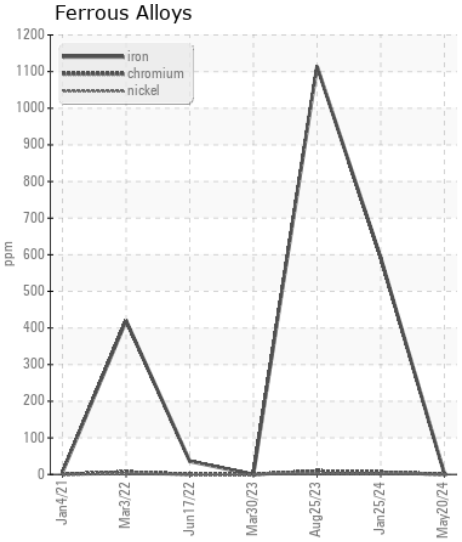
Viscosity @ 40°C



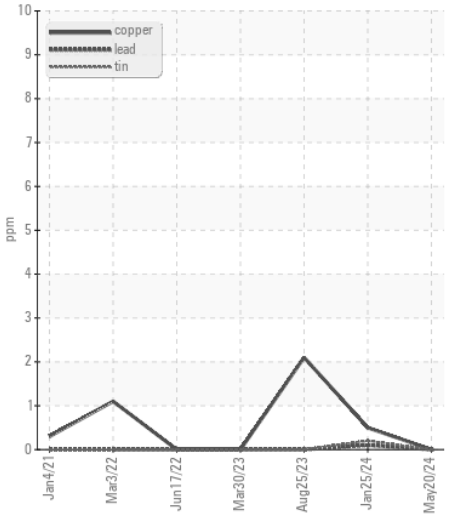
PQ



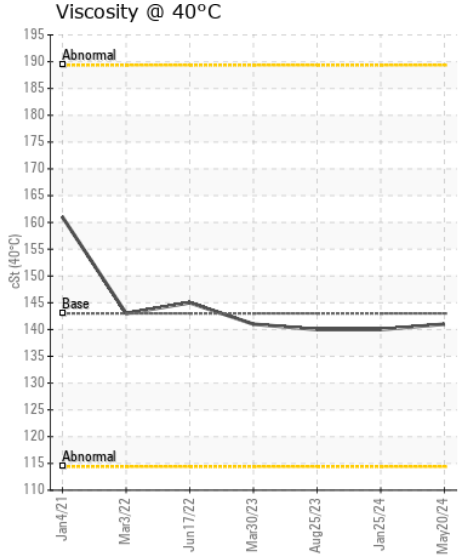
Ferrous Alloys



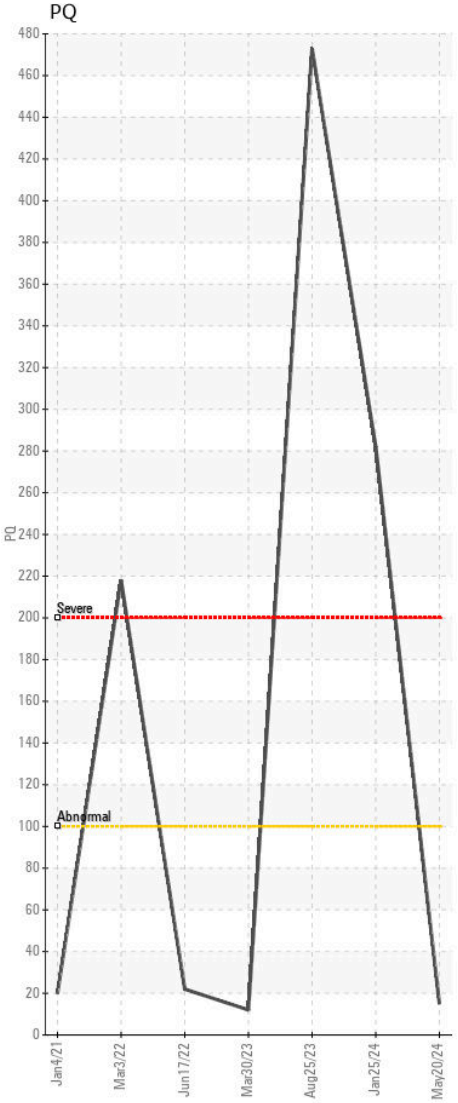
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215699
Lab Number : 06187971
Unique Number : 11044723
Test Package : CONST (Additional Tests: PQ)

Received : 22 May 2024
Tested : 24 May 2024
Diagnosed : 24 May 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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