CONST

James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W68062]
Machine Id
HITACHI 470LC HCMJAG60J00061713
Component
Left Swing Drive
Fluid
GEAR OIL SAE 80W90 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W68062)

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

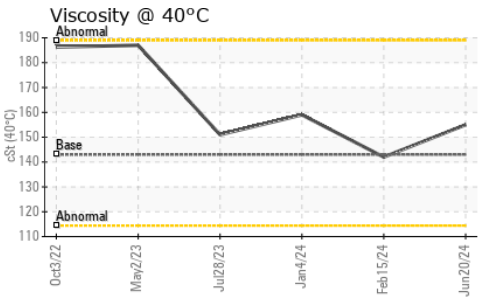
FLUID CONDITION

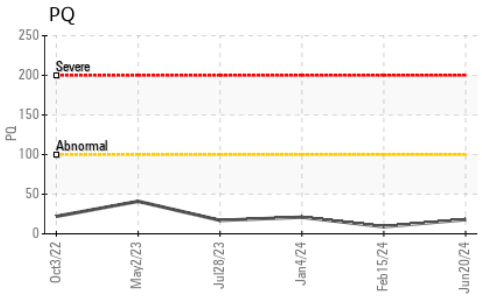
The condition of the oil is acceptable for the time in service.

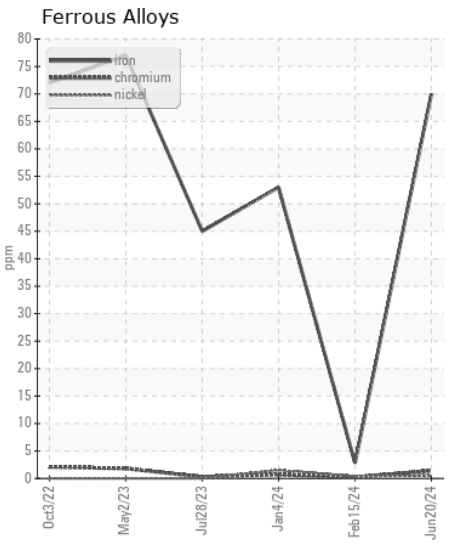
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0219750**	JR0203895	JR0192907
Sample Date		Client Info		**20 Jun 2024**	15 Feb 2024	04 Jan 2024
Machine Age	hrs	Client Info		**29877**	6892	6892
Oil Age	hrs	Client Info		**11292**	6892	6892
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Changed**	Not Changd	Changed
Filter Changed		Client Info		**N/A**	N/A	Not Changd
Sample Status				**NORMAL**	NORMAL	NORMAL
PQ		ASTM D8184		**18**	9	21
Iron	ppm	ASTM D5185m	>400	**70**	3	53
Chromium	ppm	ASTM D5185m	>10	**1**	<1	<1
Nickel	ppm	ASTM D5185m	>10	**<1**	<1	2
Titanium	ppm	ASTM D5185m		**<1**	<1	0
Silver	ppm	ASTM D5185m		**<1**	<1	0
Aluminum	ppm	ASTM D5185m	>25	**3**	<1	1
Lead	ppm	ASTM D5185m	>50	**<1**	<1	<1
Copper	ppm	ASTM D5185m	>200	**2**	1	<1
Tin	ppm	ASTM D5185m	>10	**<1**	<1	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	>50	**13**	2	12
Potassium	ppm	ASTM D5185m	>20	**2**	<1	<1
Water		WC Method	>0.2	**NEG**	NEG	NEG
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**LIGHT**	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	**<1**	0	0
Boron	ppm	ASTM D5185m	400	**78**	<1	39
Barium	ppm	ASTM D5185m	200	**3**	5	1
Molybdenum	ppm	ASTM D5185m	12	**<1**	1	0
Manganese	ppm	ASTM D5185m		**2**	<1	2
Magnesium	ppm	ASTM D5185m	12	**<1**	3	1
Calcium	ppm	ASTM D5185m	150	**10**	24	12
Phosphorus	ppm	ASTM D5185m	1650	**747**	264	514
Zinc	ppm	ASTM D5185m	125	**39**	12	14
Sulfur	ppm	ASTM D5185m	22500	**18879**	19284	18082
Visc @ 40°C	cSt	ASTM D445	143	**155**	142	159

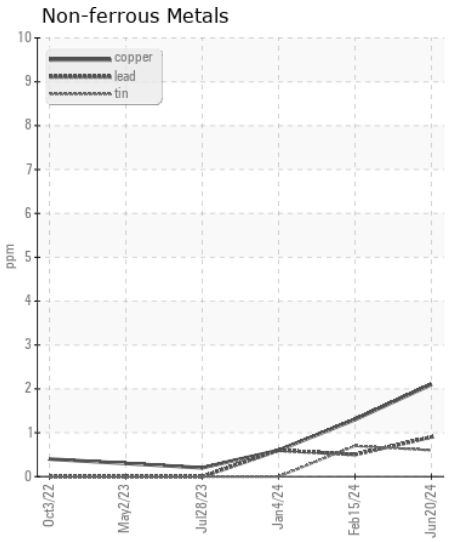
Report Id: JAMCHA [WUSCAR] 06218486 (Generated: 06/25/2024 18:57:29) Rev: 1

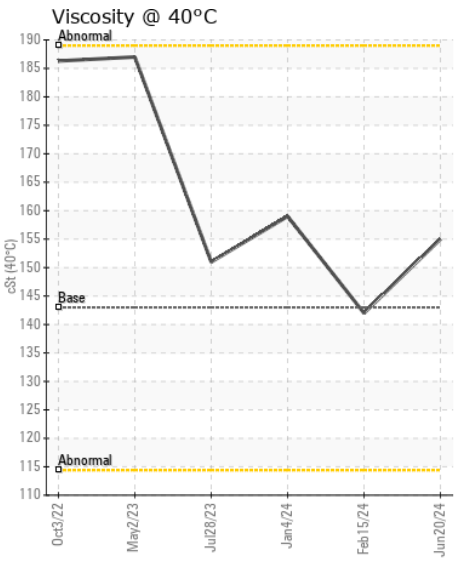
Submitted By: Mike Young - CHARLOTTE SHOP

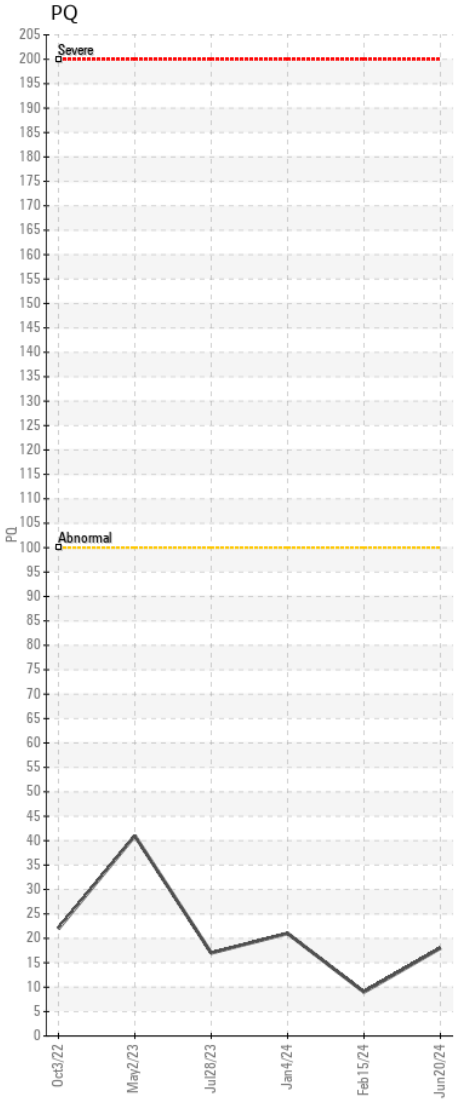












Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0219750
Lab Number : 06218486
Unique Number : 11096683
Test Package : CONST (Additional Tests: PQ)

Received : 24 Jun 2024
Tested : 25 Jun 2024
Diagnosed : 25 Jun 2024 - Sean Felton

JRE - CHARLOTTE
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Certificate L2367

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)