



Machine Id
HITACHI 350LC 1FFDDR70EJF940546

Component
Left Final Drive

Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

Bearing and/or bushing wear is indicated.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

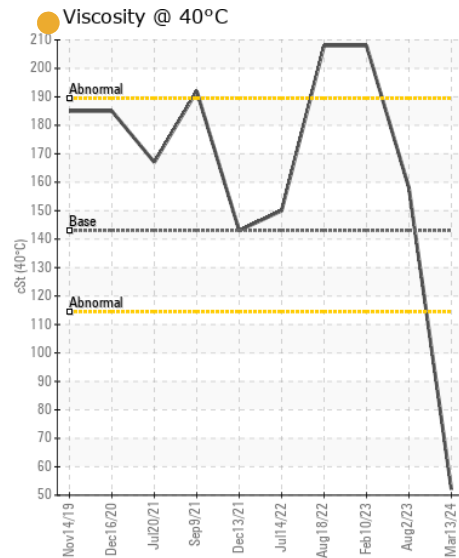
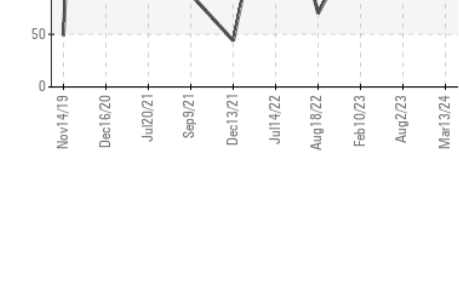
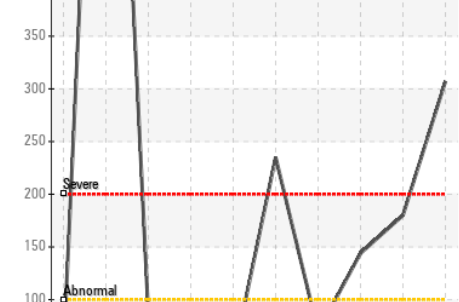
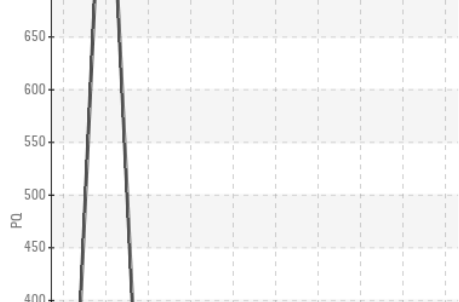
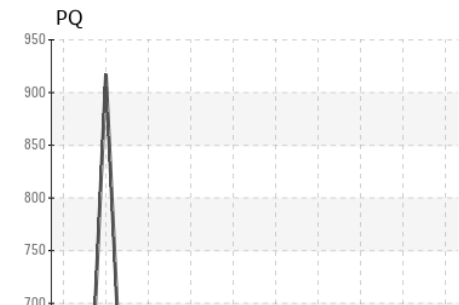
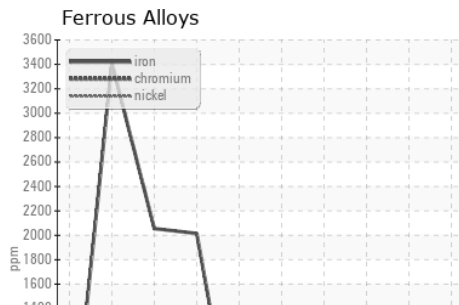
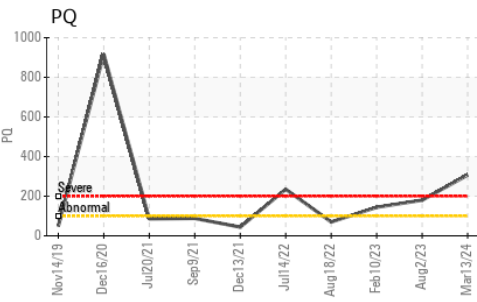
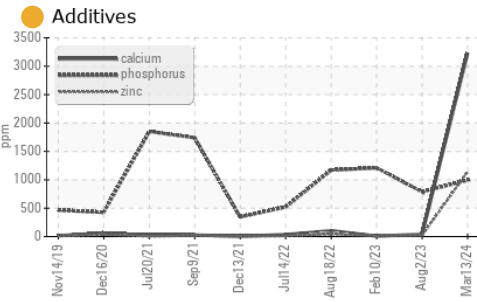
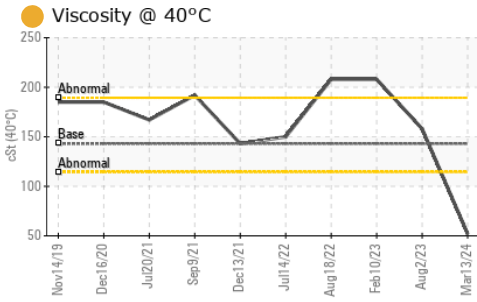
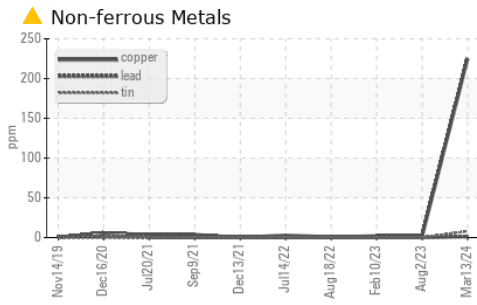
The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0205700	JR0179022	JR0155605
Sample Date		Client Info		13 Mar 2024	02 Aug 2023	10 Feb 2023
Machine Age	hrs	Client Info		6907	5975	4983
Oil Age	hrs	Client Info		932	5975	500
Filter Age	hrs	Client Info		0	0	500
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

PQ		ASTM D8184		307	180	144
Iron	ppm	ASTM D5185m	>500	931	▲ 625	▲ 857
Chromium	ppm	ASTM D5185m	>10	6	4	5
Nickel	ppm	ASTM D5185m	>10	6	<1	<1
Titanium	ppm	ASTM D5185m		<1	2	2
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	5	● 33	● 27
Lead	ppm	ASTM D5185m	>25	1	0	0
Copper	ppm	ASTM D5185m	>50	▲ 225	2	2
Tin	ppm	ASTM D5185m	>10	▲ 8	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	12	▲ 98	▲ 114
Potassium	ppm	ASTM D5185m	>20	3	6	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	3	3	2
Boron	ppm	ASTM D5185m	400	15	27	4
Barium	ppm	ASTM D5185m	200	3	0	0
Molybdenum	ppm	ASTM D5185m	12	4	<1	<1
Manganese	ppm	ASTM D5185m		12	5	6
Magnesium	ppm	ASTM D5185m	12	● 78	6	3
Calcium	ppm	ASTM D5185m	150	● 3232	40	8
Phosphorus	ppm	ASTM D5185m	1650	994	787	1210
Zinc	ppm	ASTM D5185m	125	● 1140	21	9
Sulfur	ppm	ASTM D5185m	22500	● 3284	24221	22284
Visc @ 40°C	cSt	ASTM D445	143	● 52.1	158	208



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0205700 **Received** : 19 Mar 2024
Lab Number : 06122653 **Tested** : 26 Mar 2024
Unique Number : 10936804 **Diagnosed** : 26 Mar 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
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 US 28269
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 F: (704)596-6198

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)