



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**[W66265]**

Machine Id  
**HITACHI 210LC 1FFDC571EMF341025**

Component  
**Right Final Drive**

Fluid  
**GEAR OIL SAE 80W90 (2 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W66265 )

### WEAR

All component wear rates are normal.

### CONTAMINATION

There is no indication of any contamination in the oil.

### FLUID CONDITION

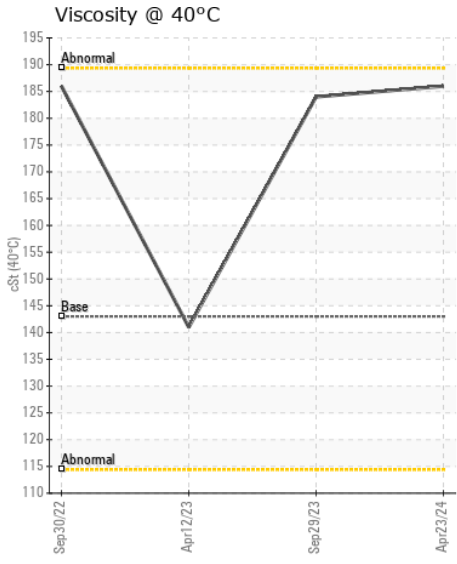
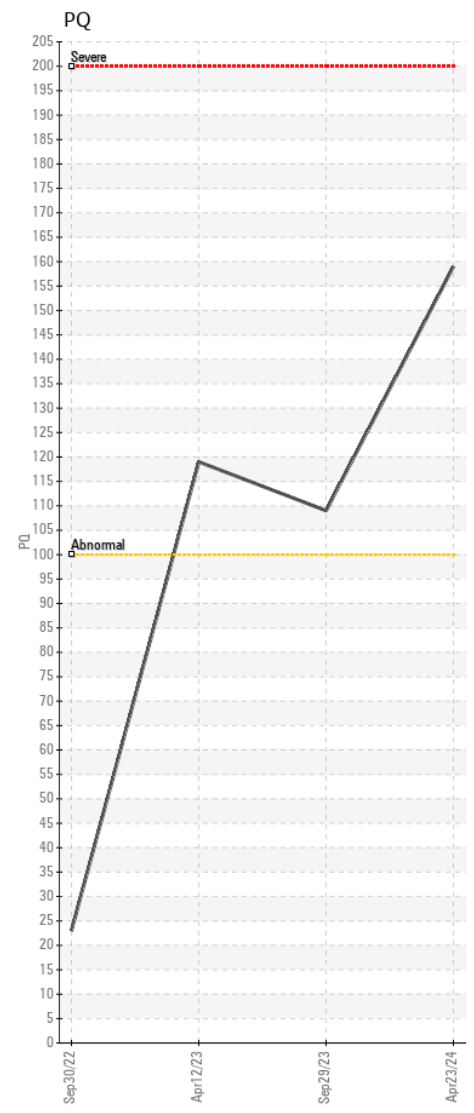
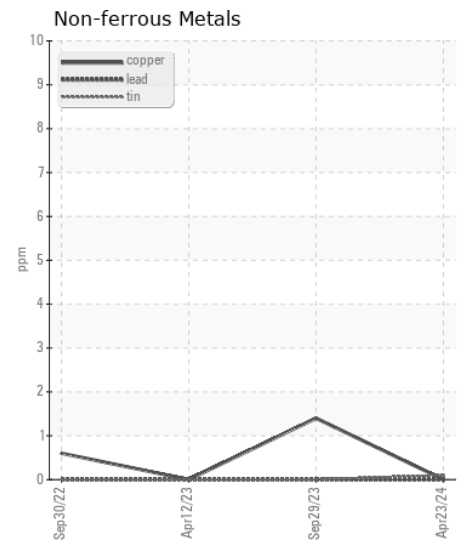
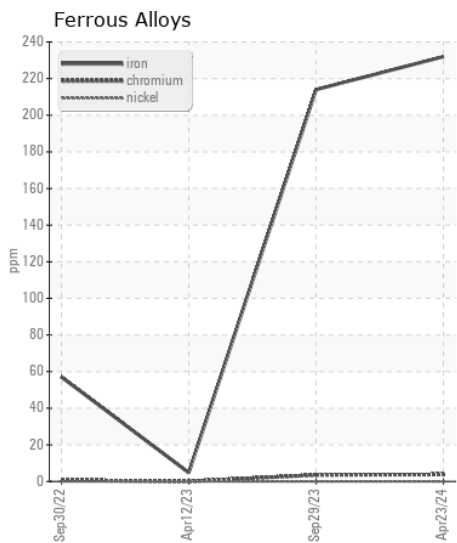
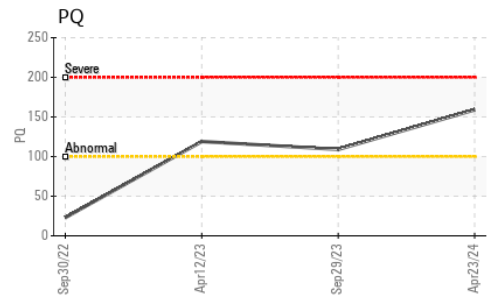
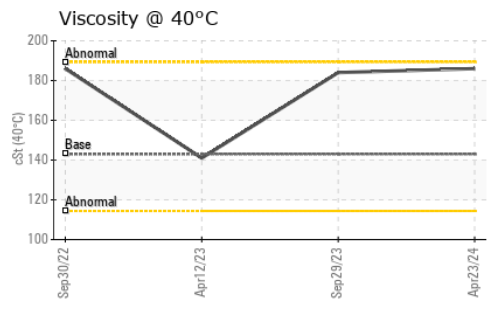
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0205880</b>	JR0188653	JR0141953
Sample Date		Client Info		<b>23 Apr 2024</b>	29 Sep 2023	12 Apr 2023
Machine Age	hrs	Client Info		<b>2014</b>	1533	945
Oil Age	hrs	Client Info		<b>1426</b>	588	500
Filter Age	hrs	Client Info		<b>0</b>	0	500
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Not Changed</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

PQ		ASTM D8184		<b>159</b>	109	119
Iron	ppm	ASTM D5185m	>500	<b>232</b>	214	5
Chromium	ppm	ASTM D5185m	>10	<b>4</b>	4	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>0</b>	1	0
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	<b>25</b>	22	<1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	4	0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m	>170	<b>0</b>	1	0
Boron	ppm	ASTM D5185m	400	<b>52</b>	53	47
Barium	ppm	ASTM D5185m	200	<b>9</b>	2	0
Molybdenum	ppm	ASTM D5185m	12	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>5</b>	5	<1
Magnesium	ppm	ASTM D5185m	12	<b>3</b>	<1	<1
Calcium	ppm	ASTM D5185m	150	<b>15</b>	9	46
Phosphorus	ppm	ASTM D5185m	1650	<b>541</b>	513	962
Zinc	ppm	ASTM D5185m	125	<b>27</b>	13	0
Sulfur	ppm	ASTM D5185m	22500	<b>18573</b>	15456	25056
Visc @ 40°C	cSt	ASTM D445	143	<b>186</b>	184	141



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0205880 **Received** : 25 Apr 2024  
**Lab Number** : 06160643 **Tested** : 26 Apr 2024  
**Unique Number** : 10996066 **Diagnosed** : 27 Apr 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
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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)