



Machine Id
HITACHI 300 1FFDP70JHF840193

Component
Left Final Drive

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

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

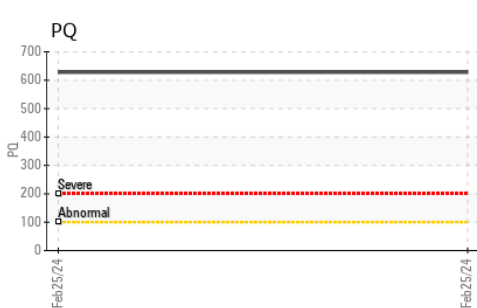
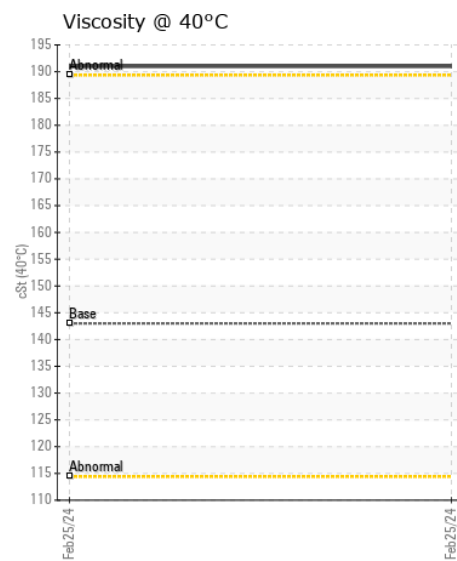
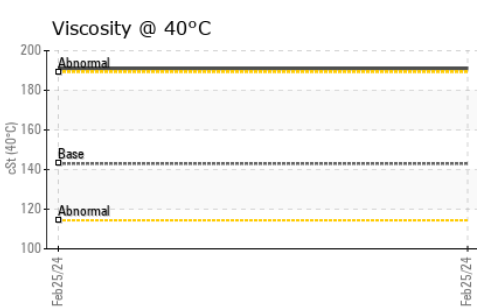
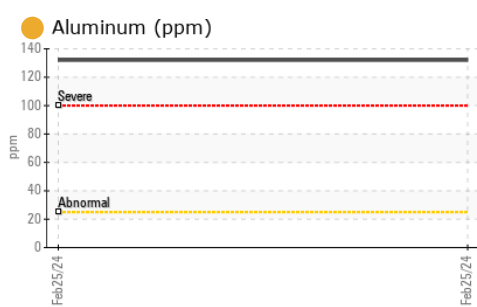
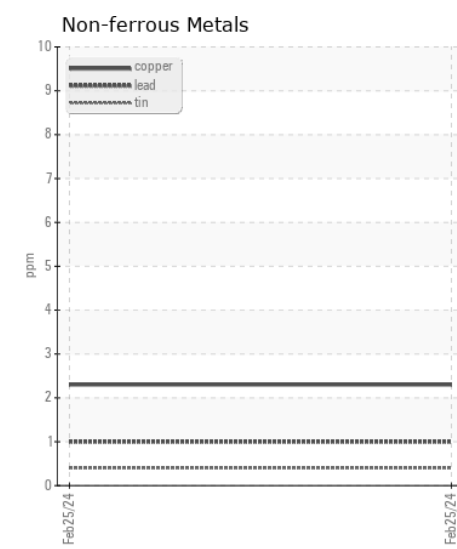
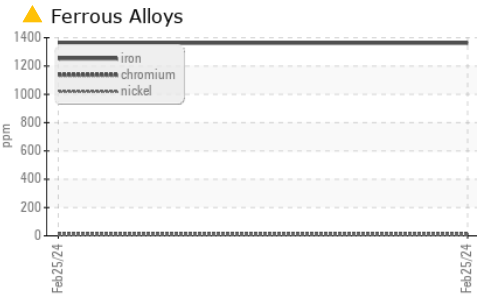
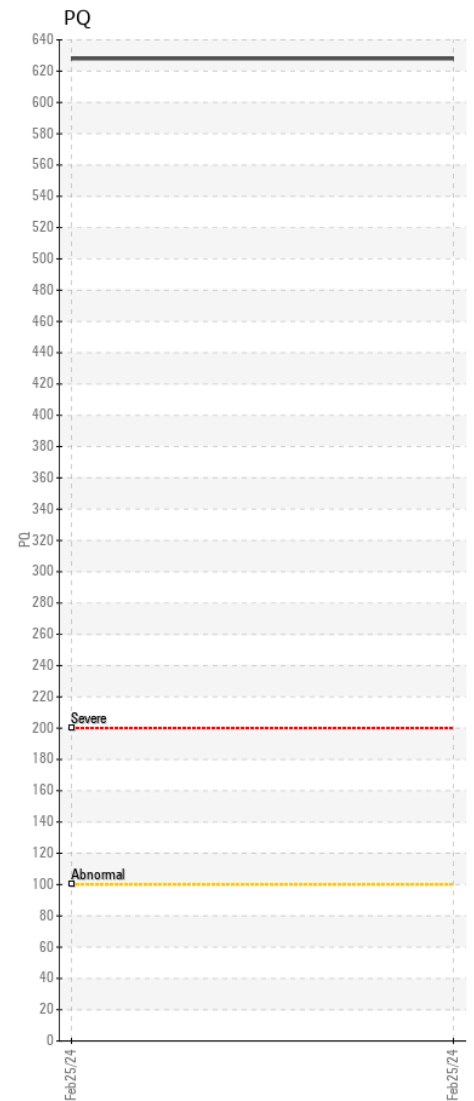
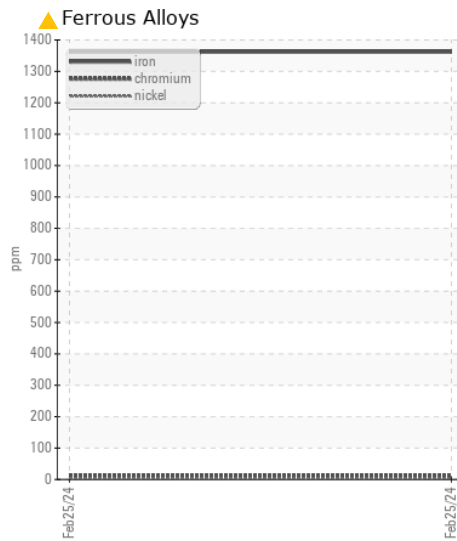
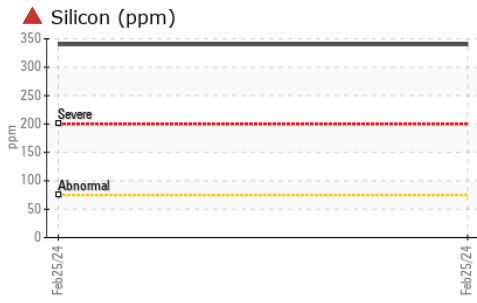
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0204824	---	---
Sample Date		Client Info		25 Feb 2024	---	---
Machine Age	hrs	Client Info		7278	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---
PQ		ASTM D8184		628	---	---
Iron	ppm	ASTM D5185m	>500	▲ 1362	---	---
Chromium	ppm	ASTM D5185m	>10	▲ 13	---	---
Nickel	ppm	ASTM D5185m	>10	4	---	---
Titanium	ppm	ASTM D5185m		▲ 13	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	● 132	---	---
Lead	ppm	ASTM D5185m	>25	1	---	---
Copper	ppm	ASTM D5185m	>50	2	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 340	---	---
Potassium	ppm	ASTM D5185m	>20	18	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185m	>170	14	---	---
Boron	ppm	ASTM D5185m	400	47	---	---
Barium	ppm	ASTM D5185m	200	3	---	---
Molybdenum	ppm	ASTM D5185m	12	<1	---	---
Manganese	ppm	ASTM D5185m		14	---	---
Magnesium	ppm	ASTM D5185m	12	19	---	---
Calcium	ppm	ASTM D5185m	150	33	---	---
Phosphorus	ppm	ASTM D5185m	1650	479	---	---
Zinc	ppm	ASTM D5185m	125	42	---	---
Sulfur	ppm	ASTM D5185m	22500	16019	---	---
Visc @ 40°C	cSt	ASTM D445	143	191	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0204824 **Received** : 26 Feb 2024
Lab Number : 06100375 **Tested** : 27 Feb 2024
Unique Number : 10898605 **Diagnosed** : 28 Feb 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - GREENSBORO
 411 SOUTH REGIONAL ROAD
 GREENSBORO, NC
 US 27409
 Contact: NICK GALLAHER
 NGALLAHER@JRENET.COM
 T: (336)668-2762
 F: (336)665-9556

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)