



WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
HITACHI 300 1FFDP70JHF840193

Component
Pump Drive

Fluid
{not provided} (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

Gear wear is indicated.

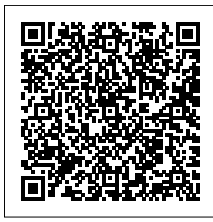
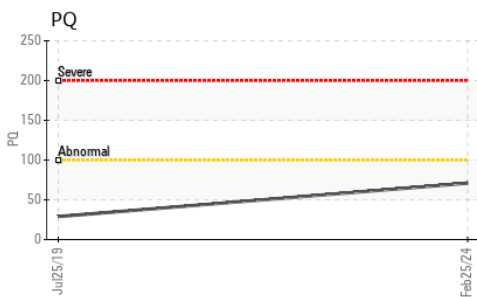
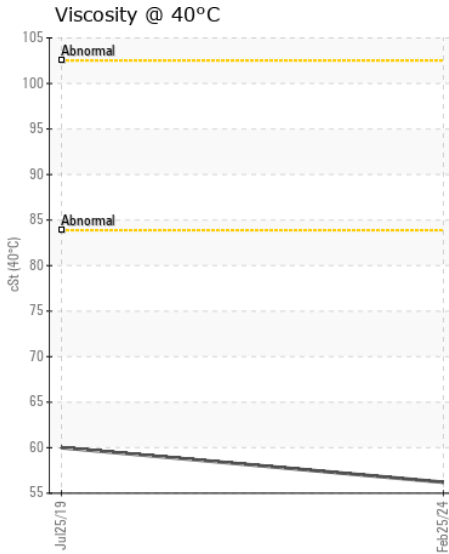
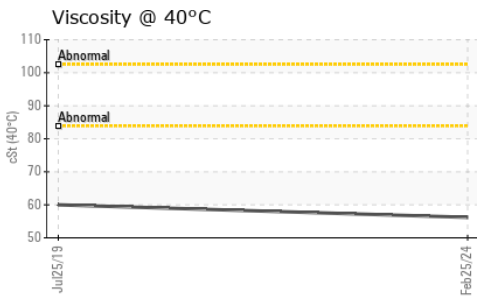
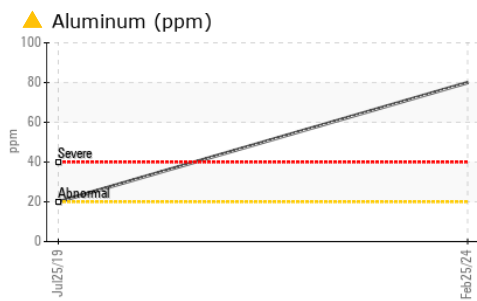
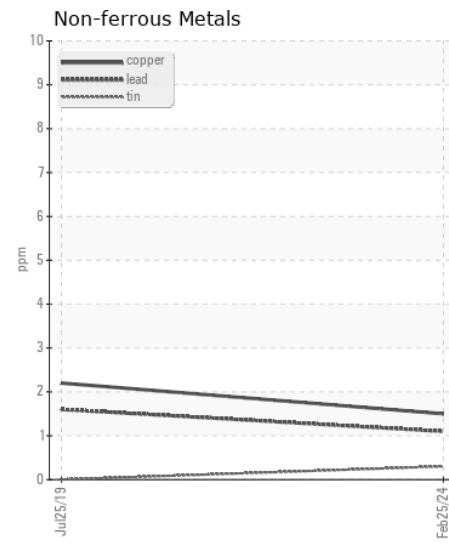
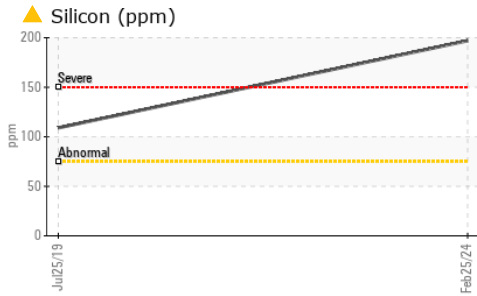
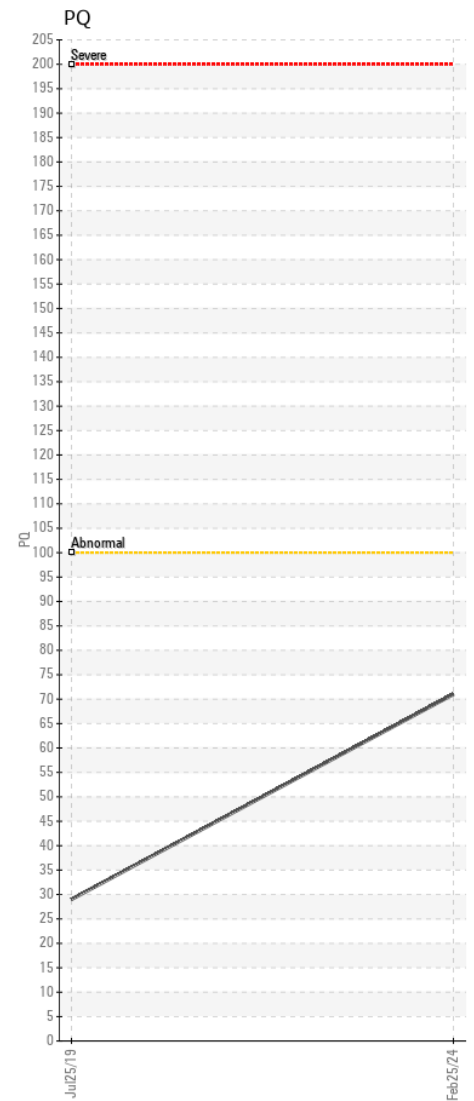
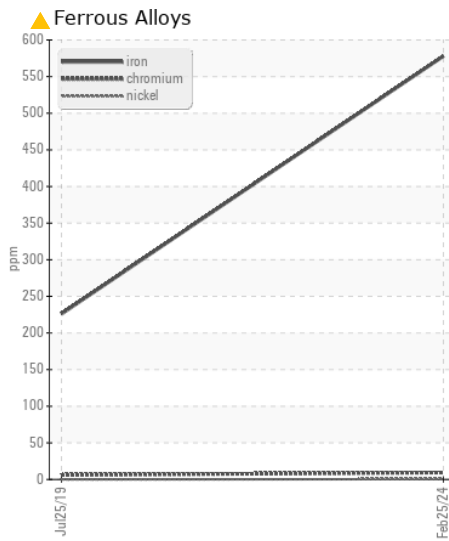
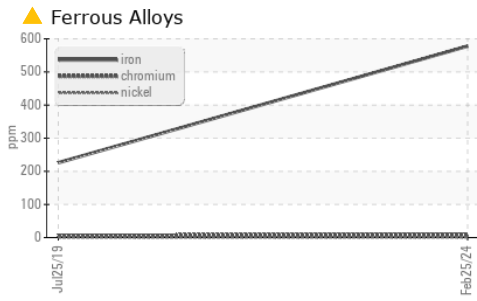
CONTAMINATION

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

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		JR0204826	JR0014333	---
Sample Date		Client Info		25 Feb 2024	25 Jul 2019	---
Machine Age	hrs	Client Info		7278	2458	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---
PQ		ASTM D8184		71	29	---
Iron	ppm	ASTM D5185m	>500	▲ 578	226	---
Chromium	ppm	ASTM D5185m	>15	9	6	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		6	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	▲ 80	▲ 20	---
Lead	ppm	ASTM D5185m		1	2	---
Copper	ppm	ASTM D5185m	>35	2	2	---
Tin	ppm	ASTM D5185m	>4	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	▲ 197	▲ 109	---
Potassium	ppm	ASTM D5185m	>20	6	4	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185m		11	5	---
Boron	ppm	ASTM D5185m		185	49	---
Barium	ppm	ASTM D5185m		0	12	---
Molybdenum	ppm	ASTM D5185m		175	94	---
Manganese	ppm	ASTM D5185m		11	9	---
Magnesium	ppm	ASTM D5185m		590	15	---
Calcium	ppm	ASTM D5185m		1256	4146	---
Phosphorus	ppm	ASTM D5185m		843	1152	---
Zinc	ppm	ASTM D5185m		839	1267	---
Sulfur	ppm	ASTM D5185m		3709	7272	---
Visc @ 40°C	cSt	ASTM D445		56.2	60.0	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0204826 **Received** : 26 Feb 2024
Lab Number : 06100373 **Tested** : 27 Feb 2024
Unique Number : 10898603 **Diagnosed** : 28 Feb 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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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)