



CONSTRUCTION EQUIPMENT

367 HITACHI 9405 10 - FRONT LEFT FINAL DRIVE



Sample No: VCP426352
Oil Type: DRYDENE 80W90
Job No: 367



SAMPLE INFORMATION

Sample Number	VCP426352	---	---	---
Sample Date	07 Oct 2023	---	---	---
Machine Hours	6420	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 141	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 100	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 294	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 21	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	42	---	---	---
Magnesium	ppm	7	---	---	---
Zinc	ppm	8	---	---	---
Phosphorus	ppm	378	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	14	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: TOTGAI
Unique No: 10750871
Signed: Angela Borella
Report Date: 21 Nov 2023



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GRAPHS

