



CONSTRUCTION EQUIPMENT

SPM567740 TAKEUCHI TK12R2 412102339 - LEFT FINAL DRIVE



Sample No: VCP409271
Oil Type: GEAR OIL SAE 80W90
Job No: SPM567740



SAMPLE INFORMATION

Sample Number	VCP409271	---	---	---
Sample Date	30 Jun 2023	---	---	---
Machine Hours	1072	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

JOHN KENO & CO

750 RICARD LN
ELK GROVE VILLAGE, IL
US 60007

Contact: LUKAS DECKER
ldecker@johnkeno.com

T: (847)340-2432

F:



OIL CONDITION

Visc @ 40°C	cSt	█ 153	---	---	---
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CONTAMINATION

Silicon	ppm	█ 74	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	▲ 1067	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 13	---	---	---
Chromium	ppm	▲ 15	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	█ 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 13	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 54	---	---	---
Magnesium	ppm	█ 18	---	---	---
Zinc	ppm	█ 71	---	---	---
Phosphorus	ppm	█ 549	---	---	---
Barium	ppm	█ 4	---	---	---
Boron	ppm	█ 92	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: JOHELK
Unique No: 10548916
Signed: Don Baldrige
Report Date: 11 Jul 2023



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GRAPHS

