



CONSTRUCTION EQUIPMENT

SW1013505 THRONDORED JCB 506C 1184387 - FRONT AXLE



Sample No: VCP397623
Oil Type: GEAR OIL SAE 80W90
Job No: SW1013505 THRONDORED



SAMPLE INFORMATION

Sample Number	VCP397623	VCP342544	---	---
Sample Date	23 Jun 2023	03 Dec 2021	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 53.5	■ 174	---	---
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CONTAMINATION

Silicon	ppm	■ 9	■ 6	---	---
Sodium	ppm	■ 6	■ 2	---	---
Potassium	ppm	■ <1	■ 0	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

Iron	ppm	▲ 971	■ 444	---	---
Copper	ppm	▲ 58	▲ 54	---	---
Lead	ppm	▲ 47	■ 8	---	---
Tin	ppm	■ 5	■ 3	---	---
Aluminum	ppm	■ 1	■ <1	---	---
Chromium	ppm	■ 3	■ <1	---	---
Molybdenum	ppm	■ <1	■ <1	---	---
Nickel	ppm	■ 2	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	■ 11	■ 5	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 73	■ 298	---	---
Magnesium	ppm	■ 3	■ 3	---	---
Zinc	ppm	■ 47	■ 186	---	---
Phosphorus	ppm	■ 2608	■ 955	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 149	■ 103	---	---

Depot: VOLVO6174
Unique No: 10538584
Signed: Don Baldrige
Report Date: 04 Jul 2023



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GRAPHS

