



CONSTRUCTION EQUIPMENT

SW1013505 THRONDORED JCB 506C 1184387 - REAR AXLE



Sample No: VCP406912
Oil Type: GEAR OIL SAE 80W90
Job No: SW1013505 THRONDORED



SAMPLE INFORMATION

Sample Number	VCP406912	VCP342562	---	---
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	---	---

ARNOLD MACHINERY COMPANY
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 PHOENIX, AZ
 US 85040
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	▲ 51.8	■ 174	---	---
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CONTAMINATION

Silicon	ppm	■ 2	■ 2	---	---
Sodium	ppm	■ 2	■ 1	---	---
Potassium	ppm	■ 0	■ 0	---	---



WEAR METALS

Iron	ppm	■ 121	■ 41	---	---
Copper	ppm	■ 19	■ 47	---	---
Lead	ppm	▲ 50	▲ 46	---	---
Tin	ppm	■ 2	■ 2	---	---
Aluminum	ppm	■ 0	■ <1	---	---
Chromium	ppm	■ 5	■ 2	---	---
Molybdenum	ppm	■ <1	■ <1	---	---
Nickel	ppm	■ <1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	■ 2	■ 1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 23	■ 121	---	---
Magnesium	ppm	■ 5	■ 3	---	---
Zinc	ppm	■ 20	■ 85	---	---
Phosphorus	ppm	■ 2584	■ 978	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 95	■ 85	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. 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.

Depot: VOLVO6174
Unique No: 10538583
Signed: Don Baldrige
Report Date: 04 Jul 2023



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GRAPHS

