



CONSTRUCTION EQUIPMENT

SW1013505 THRONDORED JCB 506C 1184387 - DIESEL ENGINE



Sample No: VCP406913
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1013505 THRONDORED



SAMPLE INFORMATION

Sample Number	VCP406913	VCP342563	---	---
Sample Date	23 Jun 2023	03 Dec 2021	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	█ 14.0	---	---
Base Number (BN)	mg KOH/g	█ 10.4	█ 8.8	---	---
Oxidation (PA)	%	83	80	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	█ 0.3	█ 0.3	---	---
Nitration (PA)	%	58	71	---	---
Sulfation (PA)	%	63	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 8	█ 14	---	---
Sodium	ppm	█ 2	█ 3	---	---
Potassium	ppm	█ 1	█ <1	---	---



WEAR METALS

Iron	ppm	█ 7	█ 13	---	---
Copper	ppm	█ <1	█ 1	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ <1	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 44	█ 40	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1746	█ 1722	---	---
Magnesium	ppm	█ 546	█ 538	---	---
Zinc	ppm	█ 1191	█ 889	---	---
Phosphorus	ppm	█ 957	█ 763	---	---
Barium	ppm	█ 14	█ 0	---	---
Boron	ppm	█ 63	█ 52	---	---

Depot: VOLVO6174
Unique No: 10538105
Signed: Wes Davis
Report Date: 02 Jul 2023



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GRAPHS

