



CONSTRUCTION EQUIPMENT

SW-23524-2 J&J EXCAV VOLVO L70H 624443 - DIESEL ENGINE



Sample No: VCP412525
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-23524-2 J&J EXCAV



SAMPLE INFORMATION

Sample Number	VCP412525	VCP396296	---	---
Sample Date	30 Aug 2023	30 Nov 2022	---	---
Machine Hours	1513	818	---	---
Oil Hours	700	818	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	█ 12.9	---	---
Base Number (BN)	mg KOH/g	█ 9.1	█ 10.0	---	---
Oxidation (PA)	%	64	82	---	---

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 %	%	█ 0.4	█ 0.5	---	---
Nitration (PA)	%	70	75	---	---
Sulfation (PA)	%	55	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 7	█ 16	---	---
Sodium	ppm	█ 2	█ 0	---	---
Potassium	ppm	█ 1	█ 0	---	---



WEAR METALS

Iron	ppm	█ 28	█ 53	---	---
Copper	ppm	█ 4	█ 9	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 2	█ 2	---	---
Aluminum	ppm	█ 9	█ 20	---	---
Chromium	ppm	█ 2	█ 4	---	---
Molybdenum	ppm	█ 61	█ 44	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 1	█ 4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1176	█ 1563	---	---
Magnesium	ppm	█ 985	█ 643	---	---
Zinc	ppm	█ 1259	█ 1156	---	---
Phosphorus	ppm	█ 1050	█ 963	---	---
Barium	ppm	█ 2	█ 0	---	---
Boron	ppm	█ 6	█ 37	---	---

Depot: VOLVO8770
Unique No: 10633998
Signed: Sean Felton
Report Date: 08 Sep 2023



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GRAPHS

