



CONSTRUCTION EQUIPMENT

W02007271 VOLVO EC480 210464 - DIESEL ENGINE



Sample No: VCP418025
Oil Type: MOBIL 15W40
Job No: W02007271



SAMPLE INFORMATION

Sample Number	VCP418025	VCP369407	---	---
Sample Date	30 Jun 2023	29 Dec 2022	---	---
Machine Hours	7065	6690	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.6	12.7	---	---
Base Number (BN)	mg KOH/g	7.5	11.5	---	---
Oxidation (PA)	%	63	78	---	---

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 %	%	0.2	0.1	---	---
Nitration (PA)	%	58	51	---	---
Sulfation (PA)	%	58	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	11	18	---	---
Sodium	ppm	2	10	---	---
Potassium	ppm	4	4	---	---



WEAR METALS

Iron	ppm	7	9	---	---
Copper	ppm	5	11	---	---
Lead	ppm	0	2	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	3	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	101	41	---	---
Nickel	ppm	2	2	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	2	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1809	1897	---	---
Magnesium	ppm	643	556	---	---
Zinc	ppm	1084	1218	---	---
Phosphorus	ppm	884	964	---	---
Barium	ppm	0	0	---	---
Boron	ppm	284	60	---	---

Depot: VOLVO0002
Unique No: 10548396
Signed: Don Baldrige
Report Date: 10 Jul 2023



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GRAPHS

