



CONSTRUCTION EQUIPMENT

593909 DYNAPAC MF2500CS 3237 - DIESEL ENGINE



Sample No: VCP433366
Oil Type: MOBIL 15W40
Job No: 593909



SAMPLE INFORMATION

Sample Number	VCP433366	---	---	---
Sample Date	15 Sep 2023	---	---	---
Machine Hours	627	---	---	---
Oil Hours	627	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 12.4	---	---	---
Base Number (BN)	mg KOH/g	■ 8.2	---	---	---
Oxidation (PA)	%	■ 59	---	---	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 65	---	---	---
Sulfation (PA)	%	■ 51	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 1.2	---	---	---
Silicon	ppm	■ 9	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 16	---	---	---
Copper	ppm	■ 14	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 53	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	■ 0	---	---	---



ADDITIVES

Calcium	ppm	■ 1164	---	---	---
Magnesium	ppm	■ 764	---	---	---
Zinc	ppm	■ 1155	---	---	---
Phosphorus	ppm	■ 949	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 7	---	---	---

Depot: VOLVO0093
Unique No: 10688786
Signed: Sean Felton
Report Date: 16 Oct 2023



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GRAPHS

