



CONSTRUCTION EQUIPMENT

5044 BORADWATER LOG MACK AN64T PM032702 - DIESEL ENGINE



Sample No: VCP391354
Oil Type: MACK 10W30
Job No: 5044 BORADWATER LOG



SAMPLE INFORMATION

Sample Number	VCP391354	---	---	---
Sample Date	06 Jul 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

NUSS TRUCK & EQUIPMENT

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.2	---	---	---
Base Number (BN)	mg KOH/g	█ 4.4	---	---	---
Oxidation (PA)	%	106	---	---	---

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 acceptable for the time in service.



CONTAMINATION

Soot %	%	█ 0.9	---	---	---
Nitration (PA)	%	110	---	---	---
Sulfation (PA)	%	79	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 13	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 32	---	---	---



WEAR METALS

Iron	ppm	█ 70	---	---	---
Copper	ppm	█ 87	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 13	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 67	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1873	---	---	---
Magnesium	ppm	█ 416	---	---	---
Zinc	ppm	█ 1227	---	---	---
Phosphorus	ppm	█ 1016	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 12	---	---	---

Depot: VOLVO3850
Unique No: 10561126
Signed: Don Baldrige
Report Date: 18 Jul 2023



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GRAPHS

