



CONSTRUCTION EQUIPMENT

A12166 METALTECH VOLVO L220H 2718 - DIESEL ENGINE



Sample No: VCP443395
Oil Type: MOBIL 15W40
Job No: A12166 METALTECH



SAMPLE INFORMATION

Sample Number	VCP443395	---	---	---
Sample Date	27 Feb 2024	---	---	---
Machine Hours	16260	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

HOFFMAN EQUIPMENT - LIONVILLE
120 GORDON DRIVE
LIONVILLE, PA
US 19341
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 6.7	---	---	---
Oxidation (PA)	%	42	---	---	---

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

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	54	---	---	---
Sulfation (PA)	%	47	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 7	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 2230	---	---	---
Magnesium	ppm	█ 76	---	---	---
Zinc	ppm	█ 1133	---	---	---
Phosphorus	ppm	█ 977	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 9	---	---	---

Depot: VOLVO8879
Unique No: 10903923
Signed: Wes Davis
Report Date: 01 Mar 2024



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GRAPHS

