



CONSTRUCTION EQUIPMENT

R22436 MAZZA VOLVO L45H 4122107 - DIESEL ENGINE



Sample No: VCP390284
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: R22436 MAZZA



SAMPLE INFORMATION

Sample Number	VCP390284	---	---	---
Sample Date	10 Jul 2023	---	---	---
Machine Hours	9468	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.6	---	---	---
Base Number (BN)	mg KOH/g	█ 7.1	---	---	---
Oxidation (PA)	%	121	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



CONTAMINATION

Soot %	%	█ 2.8	---	---	---
Nitration (PA)	%	123	---	---	---
Sulfation (PA)	%	88	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 56	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 56	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 9	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 47	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1832	---	---	---
Magnesium	ppm	665	---	---	---
Zinc	ppm	█ 1284	---	---	---
Phosphorus	ppm	█ 1026	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 30	---	---	---

Depot: HOFPISNJ
Unique No: 10560871
Signed: Angela Borella
Report Date: 18 Jul 2023



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GRAPHS

