



CONSTRUCTION EQUIPMENT

51350 DUNNING SAND VOLVO L120H 632616 - DIESEL ENGINE



Sample No: VCP434063
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 51350 DUNNING SAND



SAMPLE INFORMATION

Sample Number	VCP434063	VCP294679	---	---
Sample Date	07 Dec 2023	01 Apr 2021	---	---
Machine Hours	6218	1029	---	---
Oil Hours	1	1029	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

TYLER EQUIPMENT CORPORATION

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	█ 13.7	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	69	62	---	---

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	NEG	---	---
Soot %	%	█ 0.1	█ 0.2	---	---
Nitration (PA)	%	46	75	---	---
Sulfation (PA)	%	56	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 8	█ 4	---	---
Sodium	ppm	█ 4	█ 0	---	---
Potassium	ppm	█ 2	█ 2	---	---



WEAR METALS

Iron	ppm	█ 6	█ 16	---	---
Copper	ppm	█ <1	█ 8	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ 1	---	---
Aluminum	ppm	█ 6	█ 20	---	---
Chromium	ppm	█ <1	█ 2	---	---
Molybdenum	ppm	█ 51	█ 6	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	<1	---	---
Manganese	ppm	█ 0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1603	█ 1429	---	---
Magnesium	ppm	█ 446	709	---	---
Zinc	ppm	█ 1132	█ 871	---	---
Phosphorus	ppm	█ 946	█ 773	---	---
Barium	ppm	█ 0	<1	---	---
Boron	ppm	█ 63	█ 81	---	---

Depot: VOLVO0005
Unique No: 10780132
Signed: Wes Davis
Report Date: 12 Dec 2023



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GRAPHS

