



CONSTRUCTION EQUIPMENT

X59145 VOLVO L50H 320062 - DIESEL ENGINE



Sample No: VCP441130
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X59145



SCOTT EQUIPMENT COMPANY LLC - Saint Rose
 PO BOX 997
 SAINT ROSE, LA
 US 70087
 Contact: DANA FOSHEE
 dfoshee@scottcompanies.com
 T: (504)461-0961
 F: (504)461-0970



SAMPLE INFORMATION

Sample Number	VCP441130	VCP384641	---	---
Sample Date	29 Jan 2024	11 Nov 2022	---	---
Machine Hours	2970	2496	---	---
Oil Hours	2970	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	█ 13.5	---	---
Base Number (BN)	mg KOH/g	█ 9.9	█ 8.3	---	---
Oxidation (PA)	%	80	61	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	70	81	---	---
Sulfation (PA)	%	60	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 7	█ 7	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ <1	█ <1	---	---



WEAR METALS

Iron	ppm	█ 17	█ 18	---	---
Copper	ppm	█ 5	█ 5	---	---
Lead	ppm	█ 1	█ 2	---	---
Tin	ppm	█ 1	█ <1	---	---
Aluminum	ppm	█ 9	█ 10	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ 46	█ 3	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1684	█ 1300	---	---
Magnesium	ppm	█ 540	█ 687	---	---
Zinc	ppm	█ 1088	█ 803	---	---
Phosphorus	ppm	█ 954	710	---	---
Barium	ppm	█ 0	█ 8	---	---
Boron	ppm	█ 71	█ 66	---	---

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.

Depot: SCOSAI
Unique No: 10859443
Signed: Wes Davis
Report Date: 02 Feb 2024



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GRAPHS

