



CONSTRUCTION EQUIPMENT

SWA364966 IAA VOLVO L90H 625961 - DIESEL ENGINE



Sample No: VCP383224
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA364966 IAA



SAMPLE INFORMATION

Sample Number	VCP383224	VCP386091	---	---
Sample Date	18 Sep 2023	26 Jun 2023	---	---
Machine Hours	2502	2063	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



ALTA EQUIPMENT COMPANY

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OIL CONDITION

Visc @ 100°C	cSt	14.8	14.6	---	---
Base Number (BN)	mg KOH/g	9.1	9.6	---	---
Oxidation (PA)	%	61	65	---	---



CONTAMINATION

Soot %	%	0.3	0.4	---	---
Nitration (PA)	%	65	67	---	---
Sulfation (PA)	%	53	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	1	1	---	---
Potassium	ppm	<1	<1	---	---



WEAR METALS

Iron	ppm	89	98	---	---
Copper	ppm	<1	1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	4	<1	---	---
Chromium	ppm	2	3	---	---
Molybdenum	ppm	65	59	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1209	1233	---	---
Magnesium	ppm	1097	966	---	---
Zinc	ppm	1406	1317	---	---
Phosphorus	ppm	1151	1040	---	---
Barium	ppm	0	14	---	---
Boron	ppm	<1	2	---	---

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: VOLVO0095
Unique No: 10659616
Signed: Don Baldrige
Report Date: 23 Sep 2023



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GRAPHS

