



CONSTRUCTION EQUIPMENT

SPM647553-10 VOLVO L90H 625804 - DIESEL ENGINE



Sample No: VCP436715
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM647553-10



SAMPLE INFORMATION

Sample Number	VCP436715	VCP418609	---	---
Sample Date	10 Jan 2024	01 Sep 2023	---	---
Machine Hours	3506	3029	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

Visc @ 100°C	cSt	13.1	13.0	---	---
Base Number (BN)	mg KOH/g	10.4	10.1	---	---
Oxidation (PA)	%	79	72	---	---

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 %	%	0.5	0.5	---	---
Nitration (PA)	%	60	61	---	---
Sulfation (PA)	%	60	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	6	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	0	2	---	---



WEAR METALS

Iron	ppm	11	16	---	---
Copper	ppm	1	4	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	7	6	---	---
Chromium	ppm	2	1	---	---
Molybdenum	ppm	47	52	---	---
Nickel	ppm	1	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	1607	1818	---	---
Magnesium	ppm	544	583	---	---
Zinc	ppm	1174	1176	---	---
Phosphorus	ppm	908	938	---	---
Barium	ppm	0	0	---	---
Boron	ppm	22	33	---	---

Depot: VOLVO0090
Unique No: 10830453
Signed: Wes Davis
Report Date: 12 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

