



CONSTRUCTION EQUIPMENT

VOLVO L70H 624689 - DIESEL ENGINE



Sample No: VCP455461
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP455461	VCP395874	---	---
Sample Date	01 May 2024	23 Oct 2023	---	---
Machine Hours	3009	2462	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	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	13.2	14.1	---	---
Base Number (BN)	mg KOH/g	9.5	6.2	---	---
Oxidation (PA)	%	72	58	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.3	0.5	---	---
Nitration (PA)	%	63	80	---	---
Sulfation (PA)	%	57	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	10	7	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	2	0	---	---



WEAR METALS

Iron	ppm	25	16	---	---
Copper	ppm	2	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	1	<1	---	---
Aluminum	ppm	11	6	---	---
Chromium	ppm	2	1	---	---
Molybdenum	ppm	71	86	---	---
Nickel	ppm	1	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	2269	2116	---	---
Magnesium	ppm	610	89	---	---
Zinc	ppm	1520	1283	---	---
Phosphorus	ppm	1311	969	---	---
Barium	ppm	0	0	---	---
Boron	ppm	45	22	---	---

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: VOLVO0090
Unique No: 11015852
Signed: Wes Davis
Report Date: 07 May 2024



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GRAPHS

