



CONSTRUCTION EQUIPMENT

PASCO EXCAVATION VOLVO L150H 7073 - DIESEL ENGINE



Sample No: VCP440795
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: PASCO EXCAVATION



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SAMPLE INFORMATION

Sample Number	VCP440795	VCP392706	---	---
Sample Date	27 Nov 2023	21 Jun 2023	---	---
Machine Hours	3056	2043	---	---
Oil Hours	0	500	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	█ 12.6	---	---
Base Number (BN)	mg KOH/g	█ 9.2	█ 7.2	---	---
Oxidation (PA)	%	79	86	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	63	83	---	---
Sulfation (PA)	%	58	64	---	---
Glycol	%	NEG	█ 0.0	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 9	---	---
Sodium	ppm	█ 3	█ 4	---	---
Potassium	ppm	█ 5	█ 0	---	---



WEAR METALS

Iron	ppm	█ 11	█ 13	---	---
Copper	ppm	█ 4	█ 51	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ 1	---	---
Aluminum	ppm	█ 4	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 71	█ 52	---	---
Nickel	ppm	█ 0	█ 2	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 1179	█ 1761	---	---
Magnesium	ppm	█ 850	█ 484	---	---
Zinc	ppm	█ 1176	█ 1087	---	---
Phosphorus	ppm	█ 968	█ 824	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 28	█ 12	---	---

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: VOLVO0093
Unique No: 10777236
Signed: Jonathan Hester
Report Date: 11 Dec 2023



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GRAPHS

