



CONSTRUCTION EQUIPMENT

659479 VOLVO A30G 753089 - DIESEL ENGINE



Sample No: VCP413241
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 659479



SAMPLE INFORMATION

Sample Number	VCP413241	VCP431466	---	---
Sample Date	11 Jan 2024	01 Nov 2023	---	---
Machine Hours	1134	896	---	---
Oil Hours	0	400	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	ABNORMAL	---	---

JON M HALL COMPANY
 1920 BOOTHE CIRCLE SUITE 110
 LONGWOOD, FL
 US 32750
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	▲ 12.3	---	---
Base Number (BN)	mg KOH/g	█ 9.4	█ 9.4	---	---
Oxidation (PA)	%	79	76	---	---

T: (407)215-0410
 F:

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 %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	59	58	---	---
Sulfation (PA)	%	61	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.2	---	---
Silicon	ppm	█ 6	█ 10	---	---
Sodium	ppm	█ 0	█ 0	---	---
Potassium	ppm	█ 2	█ 2	---	---

WEAR METALS

Iron	ppm	█ 11	█ 10	---	---
Copper	ppm	█ 13	▲ 64	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 47	█ 51	---	---
Nickel	ppm	█ 6	█ 2	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	█ 1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1693	█ 1637	---	---
Magnesium	ppm	█ 544	█ 428	---	---
Zinc	ppm	█ 1168	█ 1064	---	---
Phosphorus	ppm	█ 940	█ 991	---	---
Barium	ppm	█ 3	█ 5	---	---
Boron	ppm	█ 43	█ 41	---	---

Depot: JONLON
Unique No: 10835347
Signed: Wes Davis
Report Date: 19 Jan 2024



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GRAPHS

