



CONSTRUCTION EQUIPMENT

SW-26042-2 RIVERBEND VOLVO A30G 742503 - DIESEL ENGINE



Sample No: VCP442153
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-26042-2 RIVERBEND



SAMPLE INFORMATION

Sample Number	VCP442153	---	---	---
Sample Date	01 Nov 2023	---	---	---
Machine Hours	1988	---	---	---
Oil Hours	550	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ARNOLD MACHINERY COMPANY
 2975 WEST 2100 SOUTH
 SALT LAKE CITY, UT
 US 84119
 Contact: TONY PAYAN
 tpayan@arnoldmachinery.com
 T: (801)972-4000
 F: (801)975-9434

OIL CONDITION

Visc @ 100°C	cSt	█ 12.0	---	---	---
Base Number (BN)	mg KOH/g	█ 7.5	---	---	---
Oxidation (PA)	%	55	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	72	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.4	---	---	---
Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 30	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1640	---	---	---
Magnesium	ppm	█ 473	---	---	---
Zinc	ppm	█ 889	---	---	---
Phosphorus	ppm	█ 727	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 63	---	---	---

Depot: VOLVO8770
Unique No: 10729719
Signed: Wes Davis
Report Date: 09 Nov 2023



CONSTRUCTION EQUIPMENT



GRAPHS

