



CONSTRUCTION EQUIPMENT

SW-29950 SEG 1 RANGO VOLVO R100E 121011 - DIESEL ENGINE



Sample No: VCP372322
Oil Type: {unknown}
Job No: SW-29950 SEG 1 RANGO



SAMPLE INFORMATION

Sample Number	VCP372322	---	---	---
Sample Date	16 Feb 2024	---	---	---
Machine Hours	7877	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	NORMAL	---	---	---

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



OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 8.7	---	---	---
Oxidation (PA)	%	65	---	---	---

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	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	74	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 14	---	---	---
Potassium	ppm	█ 8	---	---	---



WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 7	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1291	---	---	---
Magnesium	ppm	█ 658	---	---	---
Zinc	ppm	█ 739	---	---	---
Phosphorus	ppm	█ 693	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 101	---	---	---

Depot: VOLVO8770
Unique No: 10896431
Signed: Don Baldrige
Report Date: 26 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

