



CONSTRUCTION EQUIPMENT

701268 IAA RITCHI VOLVO L90H 625797 - DIESEL ENGINE



Sample No: VCP443729
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 701268 IAA RITCHI



SAMPLE INFORMATION

Sample Number	VCP443729	VCP408619	VCP367209	---
Sample Date	09 Apr 2024	12 Jun 2023	16 Dec 2022	---
Machine Hours	2757	2085	1676	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 100°C	cSt	13.8	14.4	13.6	---
Base Number (BN)	mg KOH/g	9.7	9.5	10.8	---
Oxidation (PA)	%	59	66	84	---

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	NEG	---
Soot %	%	0.1	0.2	0.4	---
Nitration (PA)	%	54	56	70	---
Sulfation (PA)	%	52	53	62	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	3	8	---
Sodium	ppm	1	1	3	---
Potassium	ppm	1	1	1	---



WEAR METALS

Iron	ppm	8	11	23	---
Copper	ppm	2	0	2	---
Lead	ppm	1	0	<1	---
Tin	ppm	2	0	1	---
Aluminum	ppm	2	10	9	---
Chromium	ppm	2	0	2	---
Molybdenum	ppm	61	57	43	---
Nickel	ppm	1	0	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	1	0	<1	---
Vanadium	ppm	<1	0	<1	---



ADDITIVES

Calcium	ppm	1152	1227	1741	---
Magnesium	ppm	917	939	523	---
Zinc	ppm	1241	1320	1187	---
Phosphorus	ppm	1127	1044	981	---
Barium	ppm	0	0	2	---
Boron	ppm	4	2	27	---

Depot: VOLVO0093
Unique No: 10982790
Signed: Don Baldrige
Report Date: 22 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

