



CONSTRUCTION EQUIPMENT

X13382 IAA VOLVO L90G 3834 - DIESEL ENGINE



Sample No: VCP400372
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X13382 IAA



SAMPLE INFORMATION

Sample Number	VCP400372	VCP367616	VCP367620	VC555461
Sample Date	28 Aug 2023	18 Apr 2023	09 Jan 2023	07 Jan 2022
Machine Hours	21000	20534	20047	18163
Oil Hours	500	0	500	17650
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SCOTT EQUIPMENT COMPANY LLC - Broussard
 100 IDA ROAD
 BROUSSARD, LA
 US 70518
 Contact: ADAM FEIRMAN
 afeirman@scottcompanies.com
 T: (337)837-2907
 F: (337)837-5116



OIL CONDITION

Visc @ 100°C	cSt	12.9	12.8	12.9	13.0
Base Number (BN)	mg KOH/g	10.5	10.6	10.7	11.3
Oxidation (PA)	%	84	83	82	92



CONTAMINATION

Soot %	%	0.5	0.4	0.3	0.5
Nitration (PA)	%	68	66	64	83
Sulfation (PA)	%	63	61	61	67
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	5	6
Sodium	ppm	2	2	2	2
Potassium	ppm	0	0	0	<1



WEAR METALS

Iron	ppm	13	13	15	19
Copper	ppm	4	2	3	2
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	1
Aluminum	ppm	4	4	6	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	41	45	44
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1767	1675	1820	1847
Magnesium	ppm	542	509	528	560
Zinc	ppm	1190	1153	1199	1251
Phosphorus	ppm	997	953	1009	1067
Barium	ppm	0	0	0	0
Boron	ppm	29	44	46	35

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: VOLVO6241
Unique No: 10630629
Signed: Wes Davis
Report Date: 05 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

