



CONSTRUCTION EQUIPMENT

IAA VOLVO L90G 617334 - DIESEL ENGINE



Sample No: VCP432157
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: IAA



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

SAMPLE INFORMATION

Sample Number	VCP432157	VCP326457	VCP336960	VCP301982
Sample Date	06 Nov 2023	18 Jul 2022	02 Nov 2021	07 Jan 2021
Machine Hours	12778	12254	11872	11431
Oil Hours	0	500	600	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

OIL CONDITION

Visc @ 100°C	cSt	13.1	13.1	13.3	12.9
Base Number (BN)	mg KOH/g	9.1	11.9	---	---
Oxidation (PA)	%	60	85	75	83

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.2	0.3	0.2
Nitration (PA)	%	60	58	74	63
Sulfation (PA)	%	50	64	58	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	6	4	5
Sodium	ppm	0	2	4	2
Potassium	ppm	1	1	2	0

WEAR METALS

Iron	ppm	8	4	8	5
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	10	6	11	6
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	57	39	31	36
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1116	1571	1629	1678
Magnesium	ppm	854	456	585	496
Zinc	ppm	1168	1056	1049	1076
Phosphorus	ppm	940	903	948	962
Barium	ppm	2	0	0	0
Boron	ppm	5	52	48	38

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: VOLVO0093
Unique No: 10776021
Signed: Don Baldrige
Report Date: 07 Dec 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

