



CONSTRUCTION EQUIPMENT

SWA281398 IAA VOLVO L90H 623866 - DIESEL ENGINE



Sample No: VCP413384
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA281398 IAA



SAMPLE INFORMATION

Sample Number	VCP413384	VCP406348	VCP307950	VCP283625
Sample Date	12 Jun 2023	19 Jan 2023	30 Mar 2021	24 Aug 2020
Machine Hours	6565	6188	4048	3515
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

ALTA EQUIPMENT COMPANY

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 DAVIE, FL
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OIL CONDITION

Visc @ 100°C	cSt	14.9	14.4	14.1	▲ 11.4
Base Number (BN)	mg KOH/g	10.2	9.6	---	---
Oxidation (PA)	%	66	73	53	79

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

Soot %	%	0.6	0.6	0.6	0.6
Nitration (PA)	%	73	83	77	74
Sulfation (PA)	%	57	60	58	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	1.3
Silicon	ppm	3	4	3	6
Sodium	ppm	<1	2	0	4
Potassium	ppm	<1	<1	<1	1



WEAR METALS

Iron	ppm	10	11	15	14
Copper	ppm	<1	<1	2	1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	4	11	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	64	59	13	35
Nickel	ppm	0	<1	0	<1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	1169	1143	2360	1627
Magnesium	ppm	1059	888	114	545
Zinc	ppm	1398	1213	1097	1075
Phosphorus	ppm	1106	1011	931	881
Barium	ppm	14	1	0	0
Boron	ppm	0	6	9	26

Depot: VOLVO0095
Unique No: 10538091
Signed: Don Baldrige
Report Date: 04 Jul 2023



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VOLVO GRAPHS

