



CONSTRUCTION EQUIPMENT

40053 IAA VOLVO L90H 623885 - DIESEL ENGINE



Sample No: VCP411541
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 40053 IAA



SAMPLE INFORMATION

Sample Number	VCP411541	VCP371890	VCP340393	VCP342463
Sample Date	28 Aug 2023	14 Dec 2022	14 Jun 2022	26 Jan 2022
Machine Hours	10497	10013	9490	8961
Oil Hours	0	1000	0	0
Oil Changed	Changed	Changed	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.4	13.4	13.3	13.5
Base Number (BN)	mg KOH/g	9.6	11.8	11.1	11.8
Oxidation (PA)	%	84	91	83	84



CONTAMINATION

Soot %	%	0.4	0.4	0.2	0.2
Nitration (PA)	%	73	78	67	68
Sulfation (PA)	%	61	66	61	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	6	6	8
Sodium	ppm	2	0	3	0
Potassium	ppm	<1	2	0	0



WEAR METALS

Iron	ppm	15	12	8	9
Copper	ppm	<1	<1	<1	11
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	3	2	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	46	41	41
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	1	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1892	1884	1814	1781
Magnesium	ppm	549	514	498	569
Zinc	ppm	1194	1195	1153	1051
Phosphorus	ppm	953	996	931	906
Barium	ppm	0	0	0	0
Boron	ppm	26	27	41	56

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: VOLVO0013
Unique No: 10622953
Signed: Wes Davis
Report Date: 30 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

