



CONSTRUCTION EQUIPMENT

R25069 IAA-ENGLISHTO VOLVO L90H 623586 - DIESEL ENGINE



Sample No: VCP409962
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: R25069 IAA-ENGLISHTO



SAMPLE INFORMATION

Sample Number	VCP409962	VCP441971	VCP383581	VCP348014
Sample Date	14 May 2024	01 Dec 2023	01 Nov 2022	20 Jan 2022
Machine Hours	11028	10584	10307	9874
Oil Hours	500	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.8	13.4	13.5	13.9
Base Number (BN)	mg KOH/g	10.2	9.9	11.4	11.3
Oxidation (PA)	%	77	61	92	96

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	NEG
Soot %	%	0.2	0.2	0.3	0.3
Nitration (PA)	%	62	53	71	74
Sulfation (PA)	%	57	52	66	68
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	4	8	6
Sodium	ppm	2	0	3	2
Potassium	ppm	0	2	1	0



WEAR METALS

Iron	ppm	10	12	8	9
Copper	ppm	2	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	3	3	3	3
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	46	61	43	41
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1556	1104	1861	1712
Magnesium	ppm	620	872	557	495
Zinc	ppm	1168	1186	1263	1132
Phosphorus	ppm	1005	1033	1064	917
Barium	ppm	0	3	0	0
Boron	ppm	41	5	40	36

Depot: HOFPISNJ
Unique No: 11044007
Signed: Wes Davis
Report Date: 23 May 2024



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VOLVO GRAPHS

