



CONSTRUCTION EQUIPMENT

G08908 IAA-BLACKWOOD VOLVO L90H 625731 - DIESEL ENGINE



Sample No: VCP445251
Oil Type: DIESEL ENGINE OIL SAE 30
Job No: G08908 IAA-BLACKWOOD



SAMPLE INFORMATION

Sample Number	VCP445251	VCP437244	VCP344162	VCP312358
Sample Date	18 Jun 2024	27 Feb 2024	16 Nov 2021	01 Jul 2021
Machine Hours	5070	4539	0	523
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.9	13.2	12.9	12.5
Base Number (BN)	mg KOH/g	7.0	7.0	---	---
Oxidation (PA)	%	41	46	76	76

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 acceptable for the time in service.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.5	0.5	0.6	0.4
Nitration (PA)	%	61	63	88	60
Sulfation (PA)	%	50	52	61	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	3	7	15
Sodium	ppm	2	0	2	4
Potassium	ppm	2	0	0	1



WEAR METALS

Iron	ppm	10	8	19	36
Copper	ppm	<1	0	2	8
Lead	ppm	<1	0	<1	1
Tin	ppm	<1	0	1	2
Aluminum	ppm	3	3	4	5
Chromium	ppm	<1	0	2	2
Molybdenum	ppm	8	7	42	40
Nickel	ppm	0	0	<1	<1
Titanium	ppm	6	14	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2497	2123	1710	1416
Magnesium	ppm	137	262	497	562
Zinc	ppm	1148	1146	1121	1051
Phosphorus	ppm	1006	974	908	899
Barium	ppm	0	1	0	<1
Boron	ppm	13	26	40	57

Depot: VOLVO8880
Unique No: 11100126
Signed: Don Baldrige
Report Date: 28 Jun 2024



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GRAPHS

