



CONSTRUCTION EQUIPMENT

G07445 BUCKLEY VOLVO L60G 611075 - DIESEL ENGINE



Sample No: VCP409978
Oil Type: MOBIL 15W40
Job No: G07445 BUCKLEY



SAMPLE INFORMATION

Sample Number	VCP409978	VCP310252	VCP299593	VCP287928
Sample Date	29 Jun 2023	21 Jul 2021	24 Feb 2021	14 Oct 2020
Machine Hours	15042	12580	11740	11060
Oil Hours	0	500	500	500
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

HOFFMAN EQUIPMENT - DEPTFORD
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OIL CONDITION

Visc @ 100°C	cSt	12.5	12.0	12.8	13.0
Base Number (BN)	mg KOH/g	7.4	---	---	---
Oxidation (PA)	%	57	76	75	53



CONTAMINATION

Soot %	%	0.3	0.3	0.3	0.4
Nitration (PA)	%	66	70	68	74
Sulfation (PA)	%	51	60	59	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	5	5
Sodium	ppm	2	2	2	<1
Potassium	ppm	2	0	0	2



WEAR METALS

Iron	ppm	8	7	8	17
Copper	ppm	<1	1	1	6
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	4	5	5	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	38	69	42	10
Nickel	ppm	0	0	0	0
Titanium	ppm	15	<1	<1	<1
Silver	ppm	0	<1	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1665	1647	1792	2200
Magnesium	ppm	623	443	459	109
Zinc	ppm	1291	1048	1025	1090
Phosphorus	ppm	1025	878	906	927
Barium	ppm	0	<1	0	0
Boron	ppm	37	76	45	6

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.

Depot: VOLVO8880
Unique No: 10545762
Signed: Don Baldrige
Report Date: 06 Jul 2023



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GRAPHS

