



CONSTRUCTION EQUIPMENT

VOLVO A30G 752372 - DIESEL ENGINE



Sample No: VCP427190
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP427190	VCP410810	VCP357117	VCP345738
Sample Date	25 Aug 2023	28 Feb 2023	11 Aug 2022	11 Apr 2022
Machine Hours	3000	2500	1500	1000
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.8	12.6	12.5	12.5
Base Number (BN)	mg KOH/g	10.1	10.1	10.3	8.6
Oxidation (PA)	%	81	82	88	79

CONTAMINATION

Soot %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	55	67	73	83
Sulfation (PA)	%	62	62	68	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	4	4	8
Sodium	ppm	1	<1	<1	2
Potassium	ppm	0	2	1	<1

WEAR METALS

Iron	ppm	3	8	8	12
Copper	ppm	<1	5	▲ 113	▲ 267
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	1	1
Aluminum	ppm	2	3	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	39	45	38	33
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	<1	<1	<1
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1759	1752	1741	1573
Magnesium	ppm	536	495	492	556
Zinc	ppm	944	987	945	851
Phosphorus	ppm	798	815	766	776
Barium	ppm	0	0	0	0
Boron	ppm	60	41	34	47

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: SANMILFL
Unique No: 10636132
Signed: Wes Davis
Report Date: 11 Sep 2023



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GRAPHS

