



CONSTRUCTION EQUIPMENT

SWO-071489 VOLVO A60H A60H 340102 - DIESEL ENGINE



Sample No: VCP454752
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: SWO-071489



SAMPLE INFORMATION

Sample Number	VCP454752	VCP446737	VCP431986	VCP412977
Sample Date	25 Apr 2024	01 Feb 2024	28 Sep 2023	11 Jul 2023
Machine Hours	10205	9767	9302	8821
Oil Hours	0	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	13.0	13.2	13.3
Base Number (BN)	mg KOH/g	9.5	9.2	9.6	9.1
Oxidation (PA)	%	79	78	84	85

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 %	%	0.4	0.4	0.7	0.7
Nitration (PA)	%	61	63	68	75
Sulfation (PA)	%	61	61	65	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	8	8	7
Sodium	ppm	2	0	3	6
Potassium	ppm	2	2	0	<1



WEAR METALS

Iron	ppm	8	16	13	13
Copper	ppm	<1	2	<1	1
Lead	ppm	<1	0	1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	3	2	3	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	42	54	42	40
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	1608	1862	1724	1689
Magnesium	ppm	486	662	521	524
Zinc	ppm	1080	1327	1141	1141
Phosphorus	ppm	922	964	920	922
Barium	ppm	0	5	0	0
Boron	ppm	55	57	28	29

Depot: SAIBIR
Unique No: 11004805
Signed: Don Baldrige
Report Date: 01 May 2024



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VOLVO GRAPHS

