



CONSTRUCTION EQUIPMENT

VOLVO A60H 350 190 - DIESEL ENGINE



Sample No: VCP443072
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP443072	VCP428700	VCP433943	VCP395258
Sample Date	15 Apr 2024	12 Dec 2023	05 Sep 2023	05 May 2023
Machine Hours	3617	3131	2618	2128
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	12.5	12.4	12.4	12.3
Base Number (BN)	mg KOH/g	9.4	8.1	9.8	9.6
Oxidation (PA)	%	74	65	75	66

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 %	%	0.3	0.3	0.3	0.3
Nitration (PA)	%	57	68	52	58
Sulfation (PA)	%	58	53	59	56
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	5	5
Sodium	ppm	2	1	3	2
Potassium	ppm	0	0	1	2



WEAR METALS

Iron	ppm	5	4	7	8
Copper	ppm	1	2	4	12
Lead	ppm	<1	0	<1	2
Tin	ppm	<1	<1	<1	2
Aluminum	ppm	2	3	3	4
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	51	90	41	49
Nickel	ppm	0	0	<1	2
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	1685	1375	1736	1426
Magnesium	ppm	511	626	568	706
Zinc	ppm	1071	920	1203	1133
Phosphorus	ppm	925	740	961	909
Barium	ppm	0	0	0	0
Boron	ppm	61	84	49	31

Depot: SAIBIR
Unique No: 11003237
Signed: Sean Felton
Report Date: 30 Apr 2024



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GRAPHS

