



CONSTRUCTION EQUIPMENT

A13026 VOLVO A30D 12130 - DIESEL ENGINE



Sample No: VCP439972
Oil Type: MOBIL 15W40
Job No: A13026



SAMPLE INFORMATION

Sample Number	VCP439972	VCP439564	VCP416840	VCP378635
Sample Date	11 Jul 2024	22 Feb 2024	16 Jun 2023	09 Aug 2022
Machine Hours	11045	10847	10365	10090
Oil Hours	250	0	250	250
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION

DYER QUARRY
P.O. BOX 188, 1275 ROCK HOLLOW ROAD
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OIL CONDITION

Visc @ 100°C	cSt	12.4	12.1	11.8	12.2
Base Number (BN)	mg KOH/g	9.7	7.7	9.2	11.2
Oxidation (PA)	%	76	51	65	80

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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	55	58	63	58
Sulfation (PA)	%	60	49	56	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	0.9	<1.0
Silicon	ppm	5	4	5	4
Sodium	ppm	4	2	3	3
Potassium	ppm	<1	2	2	<1



WEAR METALS

Iron	ppm	9	8	8	6
Copper	ppm	<1	1	<1	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	1	0	1
Aluminum	ppm	2	3	2	1
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	34	22	30	44
Nickel	ppm	0	<1	0	<1
Titanium	ppm	<1	3	7	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	1790	1677	1931	1627
Magnesium	ppm	450	256	384	467
Zinc	ppm	1062	959	1148	1034
Phosphorus	ppm	943	805	956	849
Barium	ppm	0	2	0	<1
Boron	ppm	46	21	50	80

Depot: DYEBIR
Unique No: 11124268
Signed: Sean Felton
Report Date: 15 Jul 2024



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GRAPHS

