



CONSTRUCTION EQUIPMENT

A10890 VOLVO A35G 352057 - DIESEL ENGINE



Sample No: VCP411851
Oil Type: MOBIL 15W40
Job No: A10890



SAMPLE INFORMATION

Sample Number	VCP411851	VCP416835	VCP363735	VCP384837
Sample Date	14 Aug 2023	01 Jun 2023	25 Jan 2023	06 Oct 2022
Machine Hours	2020	1800	1775	1195
Oil Hours	250	0	250	250
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.7	13.3	▲ 12.2	13.3
Base Number (BN)	mg KOH/g	9.5	9.0	6.8	7.6
Oxidation (PA)	%	68	42	57	67

CONTAMINATION

Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	48	54	58	86
Sulfation (PA)	%	55	45	53	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	0.9	<1.0
Silicon	ppm	5	5	7	4
Sodium	ppm	0	<1	<1	0
Potassium	ppm	2	0	1	3

WEAR METALS

Iron	ppm	5	4	5	6
Copper	ppm	3	5	1	3
Lead	ppm	<1	0	2	0
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	5	1	2	2
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	40	33	73	63
Nickel	ppm	2	0	<1	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	2	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	<1	<1	0

ADDITIVES

Calcium	ppm	1640	1843	1490	2195
Magnesium	ppm	448	379	353	74
Zinc	ppm	1108	1122	1214	1218
Phosphorus	ppm	927	954	949	1036
Barium	ppm	0	0	0	2
Boron	ppm	58	55	292	62

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: JAAPHI
Unique No: 10617821
Signed: Sean Felton
Report Date: 25 Aug 2023



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GRAPHS

