



CONSTRUCTION EQUIPMENT

VOLVO L150H 6972 - DIESEL ENGINE



Sample No: VCP0007940

Oil Type: DIESEL ENGINE OIL SAE 40

Job No:



SAMPLE INFORMATION

Sample Number	VCP0007940	VCP0007362	VCP0007493	VCP0007535
Sample Date	05 Dec 2023	25 Sep 2023	06 Sep 2023	12 Jun 2023
Machine Hours	7306	6690	4999	4999
Oil Hours	1840	1903	1224	1224
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

ALTA EQUIPMENT COMPANY

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OIL CONDITION

Visc @ 100°C	cSt	12.8	12.2	12.9	13.0
Base Number (BN)	mg KOH/g	10.0	10.2	10.4	9.8
Oxidation (PA)	%	87	84	76	86



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.1	0.1
Nitration (PA)	%	61	62	55	58
Sulfation (PA)	%	63	61	57	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	0.3	<1.0	<1.0
Silicon	ppm	6	6	4	5
Sodium	ppm	2	5	2	2
Potassium	ppm	<1	29	<1	2



WEAR METALS

Iron	ppm	5	27	3	4
Copper	ppm	1	33	<1	<1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	1	<1	<1
Aluminum	ppm	2	11	2	2
Chromium	ppm	0	2	0	<1
Molybdenum	ppm	43	40	41	43
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	26	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	2	<1	<1
Vanadium	ppm	<1	<1	<1	<1



ADDITIVES

Calcium	ppm	1811	1342	1814	1682
Magnesium	ppm	508	769	580	558
Zinc	ppm	1208	1190	1200	1235
Phosphorus	ppm	1024	919	988	1003
Barium	ppm	0	0	0	0
Boron	ppm	41	10	40	37

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: VOLVO0092
Unique No: 10777273
Signed: Wes Davis
Report Date: 08 Dec 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

