



CONSTRUCTION EQUIPMENT

X18542 IAA VOLVO L90H 625476 - DIESEL ENGINE



Sample No: VCP443675
Oil Type: PETROL 15W40
Job No: X18542 IAA



SAMPLE INFORMATION

Sample Number	VCP443675	VCP433782	VCE64897D	VCE043671
Sample Date	25 Apr 2024	29 Nov 2023	07 Aug 2023	10 Jan 2022
Machine Hours	3966	3516	3022	1600
Oil Hours	0	0	0	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL

SCOTT EQUIPMENT COMPANY LLC - Jackson
 3860 I-55 South
 JACKSON, MS
 US 39212
 Contact: DWIGHT MCDUGAL
 DMCDUGAL@SCOTTCOMPANIES.COM
 T:
 F: (601)326-3359



OIL CONDITION

Visc @ 100°C	cSt	12.8	11.4	13.0	12.8
Base Number (BN)	mg KOH/g	10.2	11.7	10.0	10.9
Oxidation (PA)	%	81	84	77	85



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.3	0.4	0.8
Nitration (PA)	%	60	73	62	72
Sulfation (PA)	%	60	57	60	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	2.2	<1.0	<1.0
Silicon	ppm	4	6	6	7
Sodium	ppm	2	<1	2	2
Potassium	ppm	0	1	<1	0



WEAR METALS

Iron	ppm	7	10	20	23
Copper	ppm	2	<1	1	2
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	5	6	14	5
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	40	41	41	37
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	1815	1648	1822	1507
Magnesium	ppm	527	475	531	444
Zinc	ppm	1148	1098	1195	1063
Phosphorus	ppm	956	884	945	854
Barium	ppm	0	2	0	0
Boron	ppm	39	34	35	25

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: VOLVO8771
Unique No: 11003232
Signed: Wes Davis
Report Date: 29 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

