



CONSTRUCTION EQUIPMENT

SPM689364 VOLVO L90H 626515 - DIESEL ENGINE



Sample No: VCP437362
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM689364



SAMPLE INFORMATION

Sample Number	VCP437362	VCP429749	VCP415094	VCP423398
Sample Date	05 Apr 2024	29 Nov 2023	19 Oct 2023	07 Jun 2023
Machine Hours	2656	2034	1804	527
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

IAA - INSURANCE AUTO AUCTIONS - AURORA
 280 E SULLIVAN
 AURORA, IL
 US 60505
 Contact: Service Manager

OIL CONDITION

Visc @ 100°C	cSt	13.9	13.8	15.0	14.9
Base Number (BN)	mg KOH/g	8.4	9.8	9.8	8.9
Oxidation (PA)	%	71	61	57	70

T:
F:

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 %	%	0.4	0.3	0.2	0.7
Nitration (PA)	%	80	61	48	69
Sulfation (PA)	%	56	54	51	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	5	8
Sodium	ppm	2	0	4	2
Potassium	ppm	<1	<1	2	2

WEAR METALS

Iron	ppm	14	10	7	30
Copper	ppm	0	1	<1	3
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	<1	3
Aluminum	ppm	3	2	4	13
Chromium	ppm	0	<1	<1	3
Molybdenum	ppm	64	57	53	60
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	1
Vanadium	ppm	0	0	<1	<1

ADDITIVES

Calcium	ppm	1217	1058	953	1161
Magnesium	ppm	1127	1006	900	958
Zinc	ppm	1363	1316	1139	1342
Phosphorus	ppm	1173	1007	950	1074
Barium	ppm	0	0	0	0
Boron	ppm	0	<1	0	5

Depot: INSAUR
Unique No: 10977075
Signed: Wes Davis
Report Date: 15 Apr 2024



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VOLVO GRAPHS

