



CONSTRUCTION EQUIPMENT

S50403910 VOLVO L90H 626419 - DIESEL ENGINE



Sample No: VCP455416
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: S50403910



SAMPLE INFORMATION

Sample Number	VCP455416	VCP441930	VCP405336	VCP369156
Sample Date	01 Jul 2024	17 Oct 2023	06 Mar 2023	06 Mar 2023
Machine Hours	4529	0	1076	1076
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

IAA - INSURANCE AUTO AUCTIONS - RICHIE BROS
 2 WESTBROOK CORPORATE CTR STE 500
 WESTCHESTER, IL
 US 60154
 Contact: BILLY BUTLER



OIL CONDITION

Visc @ 100°C	cSt	12.5	12.9	13.2	13.4
Base Number (BN)	mg KOH/g	10.5	10.6	10.6	9.5
Oxidation (PA)	%	80	83	83	85

T: (404)275-6868
 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 %	%	0.3	0.2	0.2	0.6
Nitration (PA)	%	55	54	61	81
Sulfation (PA)	%	60	62	63	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	4	14
Sodium	ppm	<1	2	3	4
Potassium	ppm	1	1	<1	<1



WEAR METALS

Iron	ppm	5	6	6	58
Copper	ppm	<1	0	<1	8
Lead	ppm	<1	<1	<1	1
Tin	ppm	<1	<1	0	4
Aluminum	ppm	3	2	2	▲ 68
Chromium	ppm	<1	<1	<1	10
Molybdenum	ppm	40	40	41	41
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	4
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1674	1596	1809	1811
Magnesium	ppm	496	509	555	643
Zinc	ppm	1142	1101	1241	1293
Phosphorus	ppm	1005	942	1020	1040
Barium	ppm	<1	0	0	0
Boron	ppm	47	36	45	30

Depot: INSWES
Unique No: 11127780
Signed: Wes Davis
Report Date: 18 Jul 2024



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GRAPHS

