



CONSTRUCTION EQUIPMENT

S557 IAA RANCHO CORD VOLVO L90H 623813 - DIESEL ENGINE



Sample No: VCP424070
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: S557 IAA RANCHO CORD



SAMPLE INFORMATION

Sample Number	VCP424070	VCP375083	VCP357160	VCP307392
Sample Date	27 Jun 2023	20 Oct 2022	03 May 2022	20 Jul 2021
Machine Hours	10281	9430	8786	7265
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

VCES- VOLVO CONSTRUCTION EQUIPMENT
 8594 FRUITRIDGE ROAD
 SACRAMENTO, CA
 US 95826
 Contact: RAY KRANZUSCH
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 T:
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OIL CONDITION

Visc @ 100°C	cSt	14.6	14.1	14.0	12.5
Base Number (BN)	mg KOH/g	7.6	5.7	7.6	---
Oxidation (PA)	%	110	85	40	103



CONTAMINATION

Soot %	%	2.3	0.5	0	0.5
Nitration (PA)	%	121	104	51	82
Sulfation (PA)	%	77	69	45	69
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	15	8	6	5
Sodium	ppm	4	<1	2	2
Potassium	ppm	<1	2	0	<1



WEAR METALS

Iron	ppm	52	21	14	9
Copper	ppm	3	1	<1	<1
Lead	ppm	0	<1	<1	0
Tin	ppm	2	<1	1	<1
Aluminum	ppm	13	6	6	0
Chromium	ppm	3	1	<1	<1
Molybdenum	ppm	44	44	42	45
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	1	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1907	1818	1862	1842
Magnesium	ppm	562	504	559	530
Zinc	ppm	1323	1206	1146	1116
Phosphorus	ppm	1043	999	1011	1027
Barium	ppm	0	0	0	0
Boron	ppm	20	19	29	35

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: VOLVO4485
Unique No: 10550012
Signed: Wes Davis
Report Date: 12 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

