



CONSTRUCTION EQUIPMENT

S630 IAA RANCHO CORD VOLVO L90H 625096 - DIESEL ENGINE



Sample No: VCP405843
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: S630 IAA RANCHO CORD



SAMPLE INFORMATION

Sample Number	VCP405843	VCP407272	VCP375078	VCP357181
Sample Date	06 Jul 2023	03 Mar 2023	28 Sep 2022	17 Jun 2022
Machine Hours	8707	8187	7610	7021
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	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:
 F:



OIL CONDITION

Visc @ 100°C	cSt	13.1	13.4	13.8	13.7
Base Number (BN)	mg KOH/g	10.0	10.8	11.9	10.9
Oxidation (PA)	%	90	85	92	88



CONTAMINATION

Soot %	%	0.4	0.4	0.4	0.3
Nitration (PA)	%	65	68	70	64
Sulfation (PA)	%	64	62	68	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	6	4
Sodium	ppm	2	2	2	1
Potassium	ppm	1	1	<1	0



WEAR METALS

Iron	ppm	8	9	7	6
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	6	7	5	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	41	41	39
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1776	1705	1826	1605
Magnesium	ppm	546	490	530	487
Zinc	ppm	1235	1219	1403	1123
Phosphorus	ppm	1014	1016	1169	884
Barium	ppm	0	0	0	0
Boron	ppm	36	31	31	40

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: 10550008
Signed: Wes Davis
Report Date: 11 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

