



CONSTRUCTION EQUIPMENT

19097 ADAMS PRODUCTS VOLVO L70H 623761 - DIESEL ENGINE



Sample No: VCP408437
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 19097 ADAMS PRODUCTS



SAMPLE INFORMATION

Sample Number	VCP408437	VCP341499	VCP338705	VCP325695
Sample Date	14 Jul 2023	18 Feb 2022	11 Nov 2021	10 Sep 2021
Machine Hours	8741	5615	5044	4610
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	14.7	13.7	13.9	14.3
Base Number (BN)	mg KOH/g	8.2	9.9	10.3	---
Oxidation (PA)	%	71	84	73	70

CONTAMINATION

Soot %	%	0.7	0.6	0.6	0.7
Nitration (PA)	%	86	76	73	71
Sulfation (PA)	%	56	62	59	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	7	8	14
Sodium	ppm	<1	3	2	3
Potassium	ppm	0	<1	0	0

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.

WEAR METALS

Iron	ppm	14	16	20	25
Copper	ppm	<1	<1	1	3
Lead	ppm	0	<1	<1	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	4	4	3	6
Chromium	ppm	<1	1	2	4
Molybdenum	ppm	67	40	61	55
Nickel	ppm	0	0	<1	3
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1289	1801	1411	1379
Magnesium	ppm	1058	546	790	934
Zinc	ppm	1415	1199	1286	1169
Phosphorus	ppm	1158	1028	1054	1052
Barium	ppm	0	0	0	0
Boron	ppm	4	46	18	13

Depot: VOLVO8769
Unique No: 10586927
Signed: Don Baldrige
Report Date: 05 Aug 2023



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GRAPHS

