



CONSTRUCTION EQUIPMENT

SWO-068207 VOLVO A60H 350190 - TRANSMISSION



Sample No: VCP447575
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWO-068207



SAMPLE INFORMATION

Sample Number	VCP447575	VCP433956	VCP395362	VCP388385
Sample Date	12 Dec 2023	05 Sep 2023	05 May 2023	19 Jan 2023
Machine Hours	3131	2618	2128	1651
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

SAIIA CONSTRUCTION LLC
 4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207
 Contact: STEPHANI BRITTON
 sbritton@saiia.com;doug.bogart@wearcheck.com
 T: (205)943-2268
 F: (205)943-2269



OIL CONDITION

Visc @ 40°C	cSt	81.9	84.3	82.3	84.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	8	8	8
Sodium	ppm	3	3	3	3
Potassium	ppm	0	<1	<1	2

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	6	7	11	9
Copper	ppm	8	7	20	21
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	41	41	42	42
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	33	31	79	76
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1687	1778	1688	1629
Magnesium	ppm	521	547	536	503
Zinc	ppm	1104	1157	1113	1087
Phosphorus	ppm	975	998	961	950
Barium	ppm	0	0	0	0
Boron	ppm	82	90	77	80

Depot: SAIBIR
Unique No: 10793438
Signed: Don Baldrige
Report Date: 20 Dec 2023



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GRAPHS

