



CONSTRUCTION EQUIPMENT

711702 GREGCO SDLG L959F 64022 - TRANSMISSION (AUTO)



Sample No: VCP444034
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 711702 GREGCO



SAMPLE INFORMATION

Sample Number	VCP444034	VCP442541	VCP433328	VCP374620
Sample Date	16 Apr 2024	10 Jan 2024	10 Oct 2023	14 Jun 2022
Machine Hours	5226	4533	3951	2074
Oil Hours	500	500	1000	1500
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	77.0	78.8	75.6	71.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	4	5	9
Sodium	ppm	4	5	7	12
Potassium	ppm	4	1	3	0



WEAR METALS

Iron	ppm	12	11	15	13
Copper	ppm	107	97	141	161
Lead	ppm	249	253	406	451
Tin	ppm	2	2	2	4
Aluminum	ppm	2	2	2	3
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	29	29	35	42
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	0	0	<1
Silver	ppm	<1	0	0	4
Manganese	ppm	3	2	4	6
Vanadium	ppm	<1	0	<1	<1



ADDITIVES

Calcium	ppm	2135	2114	2198	2523
Magnesium	ppm	261	297	279	244
Zinc	ppm	1123	1147	1178	1025
Phosphorus	ppm	1057	1054	1039	915
Barium	ppm	0	0	<1	0
Boron	ppm	207	184	223	297

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The lead level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 11036711
Signed: Don Baldrige
Report Date: 22 May 2024



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GRAPHS

