



CONSTRUCTION EQUIPMENT

VOLVO EC250EL 31011 - FRONT RIGHT FINAL DRIVE



Sample No: VCP416952
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP416952	VCP339699	VCP378441	VCP379365
Sample Date	08 Feb 2024	05 Dec 2023	14 Sep 2023	22 Jun 2023
Machine Hours	6098	5899	5630	5368
Oil Hours	199	269	262	267
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	ATTENTION	ATTENTION

SCHILDBERG CONSTRUCTION COMPANY
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OIL CONDITION

Visc @ 40°C	cSt	154	330	325.9	331
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	55	70	45	41
Sodium	ppm	2	0	2	2
Potassium	ppm	6	6	4	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	133	610	284	267
Copper	ppm	1	<1	1	<1
Lead	ppm	1	0	<1	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	14	16	11	12
Chromium	ppm	1	5	2	2
Molybdenum	ppm	2	<1	<1	0
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	4	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	193	144	159	163
Magnesium	ppm	18	8	5	<1
Zinc	ppm	84	98	123	103
Phosphorus	ppm	945	1020	1039	991
Barium	ppm	3	52	57	49
Boron	ppm	163	169	177	184

Depot: SCHGRE
Unique No: 10898641
Signed: Jonathan Hester
Report Date: 28 Feb 2024



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GRAPHS

