



CONSTRUCTION EQUIPMENT

VOLVO EC250EL 31011 - FRONT LEFT FINAL DRIVE



Sample No: VCP416953
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP416953	VCP339690	VCP378439	VCP400073
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	155	325	330	330
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	21	202	68	67
Sodium	ppm	1	2	2	3
Potassium	ppm	3	18	5	4

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	128	562	280	222
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	6	48	14	13
Chromium	ppm	<1	5	3	2
Molybdenum	ppm	2	<1	<1	<1
Nickel	ppm	0	<1	<1	0
Titanium	ppm	<1	2	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	4	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	172	222	134	189
Magnesium	ppm	15	19	6	3
Zinc	ppm	81	103	113	114
Phosphorus	ppm	967	1031	1025	999
Barium	ppm	8	16	27	9
Boron	ppm	168	166	180	187

Depot: SCHGRE
Unique No: 10898642
Signed: Jonathan Hester
Report Date: 28 Feb 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

