



CONSTRUCTION EQUIPMENT

REGION OF PEEL VOLVO L60H 622562 - DIESEL ENGINE



Sample No: VCP353260
Oil Type: DIESEL ENGINE OIL SAE 30
Job No:



SAMPLE INFORMATION

Sample Number	VCP353260	VCP394976	VCP352638	VCP352283
Sample Date	22 Nov 2023	12 Jul 2023	22 Feb 2023	28 Sep 2022
Machine Hours	3010	2518	1998	1525
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.0	13.0	13.1	13.2
Oxidation (PA)	%	84	83	86	86



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0	0.2
Nitration (PA)	%	58	59	60	62
Sulfation (PA)	%	63	63	69	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	5	5	7
Sodium	ppm	4	3	3	3
Potassium	ppm	0	<1	<1	<1

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	9	11	10	16
Copper	ppm	<1	<1	<1	1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	<1	1
Aluminum	ppm	4	4	4	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	39	40	41	41
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1707	1683	1838	1773
Magnesium	ppm	496	514	510	512
Zinc	ppm	1081	1084	1112	1102
Phosphorus	ppm	929	974	1031	998
Barium	ppm	<1	0	0	<1
Boron	ppm	36	38	46	33

Depot: SHEMIS
Unique No: 5683458
Signed: Wes Davis
Report Date: 23 Nov 2023



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GRAPHS

