



CONSTRUCTION EQUIPMENT

REGION OF PEEL 8-393401 VOLVO L70H 624449 - DIESEL ENGINE



Sample No: VCP449371
Oil Type: DIESEL ENGINE OIL SAE 30
Job No: 8-393401



SAMPLE INFORMATION

Sample Number	VCP449371	VCP353452	VCP352035	VCP347478
Sample Date	02 Feb 2024	16 Jun 2023	28 Oct 2022	07 Feb 2022
Machine Hours	2027	1512	988	465
Oil Hours	0	0	988	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT INC.

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OIL CONDITION

Visc @ 100°C	cSt	13.1	12.9	12.8	12.5
Oxidation (PA)	%	88	90	91	41



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.3	0.2	0
Nitration (PA)	%	69	73	73	38
Sulfation (PA)	%	65	65	68	46
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	7	9	15
Sodium	ppm	2	3	4	4
Potassium	ppm	<1	<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	20	23	26	31
Copper	ppm	1	1	2	6
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	<1	2	2
Aluminum	ppm	11	10	8	12
Chromium	ppm	<1	1	2	4
Molybdenum	ppm	39	41	41	40
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1719	1758	1735	1463
Magnesium	ppm	502	509	529	555
Zinc	ppm	1085	1124	1126	1047
Phosphorus	ppm	946	993	1003	924
Barium	ppm	0	<1	<1	1
Boron	ppm	37	41	37	46

Depot: SHEMIS
Unique No: 5723027
Signed: Wes Davis
Report Date: 07 Feb 2024



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GRAPHS

