



CONSTRUCTION EQUIPMENT

WESFINCH 8-387530 VOLVO L120H 632979 - DIESEL ENGINE



Sample No: VCP394300
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 8-387530



SAMPLE INFORMATION

Sample Number	VCP394300	VCP394969	VCP380906	VCP332543
Sample Date	08 Dec 2023	10 Jul 2023	20 Dec 2022	27 Jun 2022
Machine Hours	5045	4018	2992	2006
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
MISSISSAUGA, ON
CA L4W 4L4

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OIL CONDITION

Visc @ 100°C	cSt	13.4	12.8	13.3	12.2
Oxidation (PA)	%	83	66	88	73



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.2	0.2	0.2
Nitration (PA)	%	74	76	77	79
Sulfation (PA)	%	62	53	67	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	4	6	7
Sodium	ppm	2	2	3	2
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	17	18	19	27
Copper	ppm	2	2	4	12
Lead	ppm	<1	1	<1	2
Tin	ppm	<1	<1	<1	1
Aluminum	ppm	5	4	6	9
Chromium	ppm	<1	1	1	2
Molybdenum	ppm	48	61	48	58
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	<1	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1685	1159	1744	1184
Magnesium	ppm	641	959	594	956
Zinc	ppm	1190	1232	1136	1240
Phosphorus	ppm	977	1081	1036	1038
Barium	ppm	<1	0	0	<1
Boron	ppm	20	3	23	4

Depot: SHEMIS
Unique No: 5696843
Signed: Wes Davis
Report Date: 18 Dec 2023



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GRAPHS

