



CONSTRUCTION EQUIPMENT

GFL 8-393395 VOLVO L120H 632507 - DIESEL ENGINE



Sample No: VCP449365
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 8-393395



SAMPLE INFORMATION

Sample Number	VCP449365	VCP353269	VCP429962	VCP392085
Sample Date	06 Feb 2024	14 Nov 2023	08 Sep 2023	20 Apr 2023
Machine Hours	18525	17730	17100	15997
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	12.2	12.1	12.4
Oxidation (PA)	%	82	82	96	78



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.4	0.2	0.5	0.1
Nitration (PA)	%	71	67	89	59
Sulfation (PA)	%	63	61	68	60
Glycol	%	0.0	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	2.4	<1.0
Silicon	ppm	8	12	14	6
Sodium	ppm	41	4	2	2
Potassium	ppm	<1	0	0	0

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	16	11	19	8
Copper	ppm	1	<1	2	<1
Lead	ppm	<1	1	3	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	9	6	9	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	47	51	58	48
Nickel	ppm	2	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1461	1424	1280	1564
Magnesium	ppm	686	744	897	702
Zinc	ppm	1105	1158	1224	1155
Phosphorus	ppm	954	988	1097	1053
Barium	ppm	0	0	0	0
Boron	ppm	17	14	7	24

Depot: SHEMIS
Unique No: 5723034
Signed: Wes Davis
Report Date: 08 Feb 2024



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GRAPHS

