



CONSTRUCTION EQUIPMENT

GFL 8-377629 VOLVO L120H 632507 - DIESEL ENGINE



Sample No: VCP429962
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 8-377629



SAMPLE INFORMATION

Sample Number	VCP429962	VCP392085	VCP392340	VCP382429
Sample Date	08 Sep 2023	20 Apr 2023	16 Mar 2023	02 Feb 2023
Machine Hours	17100	15997	15533	15090
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	12.1	12.4	12.3	12.4
Oxidation (PA)	%	96	78	84	85



CONTAMINATION

Soot %	%	0.5	0.1	0	0
Nitration (PA)	%	89	59	65	65
Sulfation (PA)	%	68	60	70	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	2.4	<1.0	<1.0	<1.0
Silicon	ppm	14	6	6	7
Sodium	ppm	2	2	2	2
Potassium	ppm	0	0	<1	0



WEAR METALS

Iron	ppm	19	8	8	10
Copper	ppm	2	<1	<1	<1
Lead	ppm	3	<1	<1	<1
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	9	4	4	6
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	58	48	46	48
Nickel	ppm	<1	<1	<1	1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1280	1564	1551	1613
Magnesium	ppm	897	702	644	690
Zinc	ppm	1224	1155	1097	1192
Phosphorus	ppm	1097	1053	1020	1052
Barium	ppm	0	0	0	0
Boron	ppm	7	24	30	27

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

Depot: SHEMIS
Unique No: 5643808
Signed: Wes Davis
Report Date: 18 Sep 2023



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VOLVO GRAPHS

