

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[375328]] VOLVO L120H 632927 - Diesel Engine

Sample No: LH394704

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3



#### SAMPLE INFORMATION

Sample Number	LH394704	VCP392204	VCP353085	VCP352956
Sample Date	11 Aug 2023	16 Jun 2023	27 Mar 2023	07 Dec 2022
Machine Hours	5896	5404	4846	4258
Oil Hours	500	500	500	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**STRONGCO EQUIP (AB)**  
 6 - 38403 BURNT LAKE TRAIL  
 RED DEER COUNTY, AB  
 CA T4S 2L4  
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#### OIL CONDITION

Visc @ 100°C	cSt	13.3	13.5	13.3	13.4
Oxidation (PA)	%	80	84	84	85



#### CONTAMINATION

Soot %	%	0.4	0.4	0.1	0.2
Nitration (PA)	%	53	57	58	56
Sulfation (PA)	%	65	65	72	68
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	4	4
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	<1	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	7	8	8	8
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	4	5	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	41	41	41
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	1683	1705	1823	1734
Magnesium	ppm	513	512	512	509
Zinc	ppm	1082	1076	1107	1095
Phosphorus	ppm	982	995	1012	1001
Barium	ppm	0	0	0	0
Boron	ppm	40	39	49	50

Depot: VOLVO9652  
 Unique No: 5628927  
 Signed: Wes Davis  
 Report Date: 15 Aug 2023



### GRAPHS

