

CONSTRUCTION EQUIPMENT VOLVO L 180H 5290 - DIESEL ENGINE



Sample No: VCP402901
Oil Type: MOBIL 15W40

Job No:

CVMDI E II	NFORMATION				
_	NFURMATION	·			
Sample Number		VCP402901	VCP343273	VCP362759	VCP386307
Sample Date		27 Jul 2023	19 Jun 2023	08 May 2023	13 Mar 2023
Machine Hours		5712	5464	5206	4934
Oil Hours		248	258	272	274
Oil Changed		Changed	Changed	Changed	Changed
ample Status		NORMAL	NORMAL	NORMAL	NORMAL
VOLVO					
OIL CONDI	TION				
/isc @ 100°C	cSt	12.5	12.7	12.7	12.8
Base Number (BN)		■9.8	10.2	□ 10.3	□ 10.4
Oxidation (PA)	%	73	82	80	77
	70	,,	02		
CONTAMI	NΔTION				
Soot %	%	0.1	□0.1	0.1	□0.1
Nitration (PA)	%	52	48	48	47
Sulfation (PA)	%	57	61	61	60
Glycol	%	NEG	NEG	NEG	NEG
iycoi Tuel	%	<1.0	< 1.0	<1.0	
Gilicon		< 1.0	< 1.0	<1.0	<1.0
Sodium	ppm	2			
	ppm	_	2	2	2
Potassium	ppm	■ <1	l I	3	1
VOLVO					
WEAR ME	TALS				
ron	ppm	■3	3	2	2
Copper	ppm	■ <1	- <1	- <1	■0
.ead	ppm	<u> </u>	O	2	<u> </u>
Tin	ppm	<u> </u>	<u></u> <1	<1	0
Aluminum	ppm	2	<u></u> <1	2	O
Chromium	ppm	■0	- <1	- <1	0
Molybdenum	ppm	42	4 2	□39	4 1
Nickel	ppm	O	0	<u> </u>	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	■0	0
Manganese	ppm	■ <1	<1	<1	<1
/anadium	ppm	<1	0	<1	0
VOLVO					
ADDITIVE	2				
Calcium	ppm	1815	1772	□1763	□1707
Magnesium	ppm	■531	<u>541</u>	□ 529	□ 540
Zinc	ppm	■955	■986	□963	□980
Phosphorus	ppm	781	811	□746	780
	12/2				

0

68

0

0

65



SCHILDBERG CONSTRUCTION COMPANY

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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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot:SCHGREUnique No:10647148Signed:Wes DavisReport Date:16 Sep 2023

ppm

ppm

0

59

Barium

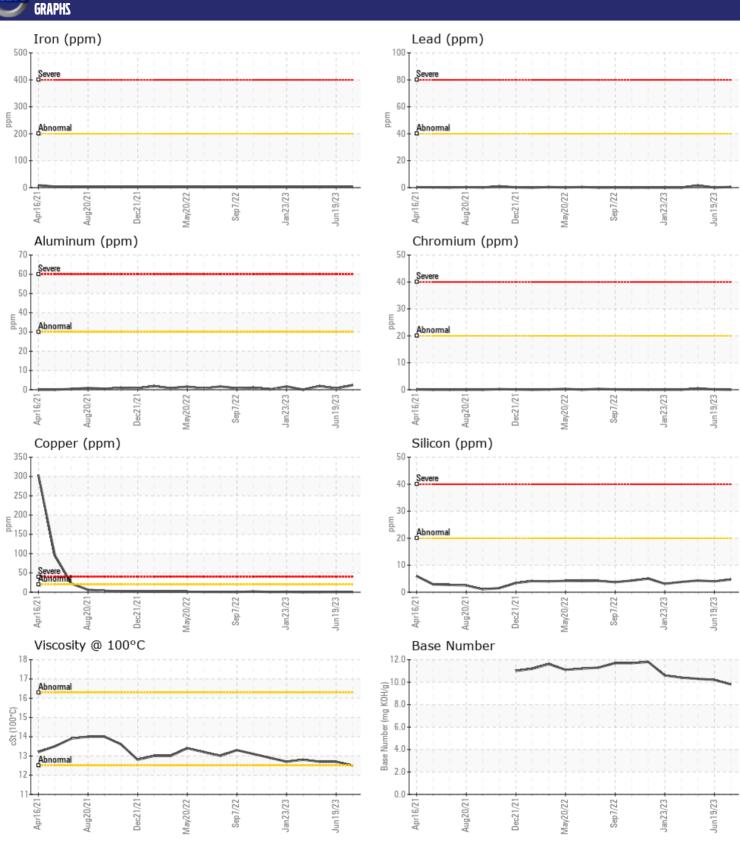
Boron



CONSTRUCTION EQUIPMENT







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Contact/Location: SCOTT ARMSTRONG - SCHGRE