

CONSTRUCTION EQUIPMENT VOLVO L180H 5290 - DIESEL ENGINE



Sample No: VCP435810
Oil Type: MOBIL 15W40

Job No:

VOLVO	NEODMATION				
_	NFORMATION				
Sample Number		VCP435810	VCP433656	VCP307519	VCP312990
Sample Date		23 Apr 2024	06 Mar 2024	29 Jan 2024	13 Nov 2023
Machine Hours		7228	6999	6771	6425
Oil Hours		229	228	346	157
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
VOLVO					
OIL CONDI	TION				
/isc @ 100°C	cSt	12.7	□13.1	12.8	13.1
Base Number (BN)	mg KOH/g	■9.0	7.1	■ 6.7	7.1
Oxidation (PA)	%	72	59	58	59
CONTAMIN	JATION				
Water	%	NEG	NEG	NEG	NEG
water Soot %	%	NEG ■ 0.1	NEG ■ 0.1	NEG ■ 0.1	NEG ■ 0.1
		_		_	
Nitration (PA)	%	53	63	68	63
Sulfation (PA)	%	57	48	49	50
Glycol	%	NEG	NEG	NEG	NEG
uel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	■4	4	1 0	5
Sodium	ppm	2	1	5	<u> </u>
Potassium	ppm	2	0	3	< 1
VOLVO					
WEAR ME	TALS				
ron	ppm	4	<1	4	0
Copper	ppm	■<1	- <1	- <1	- <1
_ead	ppm	■ <1	<u> </u>	□ <1	□0
lin .	ppm	<1	0	□ <1	0
Aluminum	ppm	<u> </u>	2	6	2
Chromium	ppm	■<1	0	□ <1	0
Molybdenum	ppm	60	111	□ 188	□ 118
Nickel	ppm	■0	0	■ <1	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	■0	0	□0	0
Manganese	ppm	■0	□0	<1	0
/anadium	ppm	<1	0	<1	<1
	2711		- U	,,	, ,
ADDITIVE	F				
ADDITIVE:					
Calcium	ppm	1503	□1316	■1679	1276
Magnesium	ppm	■ 516	650	■937	687
Zinc	ppm	■ 878	■810	■1180	■904
Phosphorus	ppm	765	1 742	■923	7 12
O a witt tona		^		m 2.4	

0

34

0



SCHILDBERG CONSTRUCTION COMPANY

PO BOX 358 GREENFIELD, IA US 50849 Contact: SCOTT ARMSTRONG sarmstrong@schildberg.com T: (641)743-8237 F: (641)743-2486

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:11004801Signed:Wes DavisReport Date:01 May 2024

ppm

ppm

0

Barium

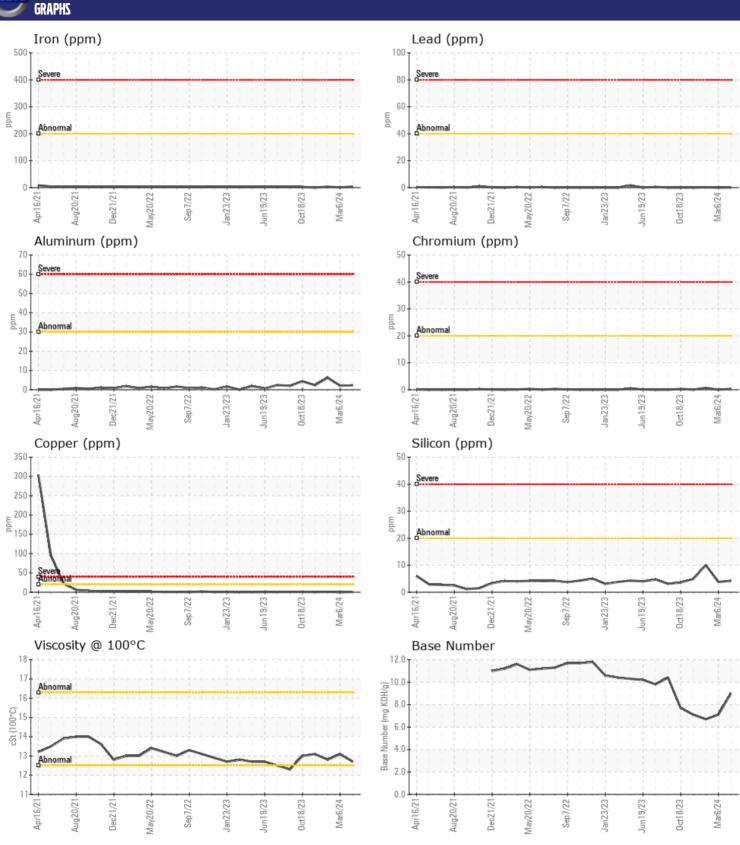
Boron



CONSTRUCTION EQUIPMENT







Report Id: SCHGRE [WUSCAR] 06164082 (Generated: 05/03/2024 16:12:13) Rev: 1

Contact/Location: SCOTT ARMSTRONG - SCHGRE