

CONSTRUCTION EQUIPMENT VOLVO L90H 624818 - DIESEL ENGINE



Sample No: VCP416360

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

Job No:

VOLVO					
SAMPLE IN	NFORMATION				
Sample Number	•	VCP416360	VCP415939	VCP360703	VCP313197
Sample Date		04 Oct 2023	05 Jun 2023	07 Apr 2022	14 Oct 2021
Machine Hours		3598	3023	2493	2055
Oil Hours		0	500	500	1500
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	ABNORMAL	NORMAL	NORMAL
VOLVO					
OIL CONDI	TION				
/isc @ 100°C	cSt	12.8	□13.4	□ 13.2	13.1
Base Number (BN)	ma KOH/a	10.8	11.3	<u></u> 11.7	
Oxidation (PA)	%	81	83	83	76
CONTAMIN	IATION				
CONTAMIN					
Soot %	%	■ 0.5	□ 0.5	□ 0.4	■0.4
Nitration (PA)	%	63	70	68	68
Sulfation (PA)	%	61	61	63	60
Glycol	%	NEG	NEG	NEG	NEG
uel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	■8	7	■8
Sodium	ppm	2	_2	3	3
Potassium	ppm	2		1	0
VOLVO					
WEAR ME	TALS				
ron	ppm	10	1 4	1 5	20
Copper	ppm	1	- <1	- <1	1
ead.	ppm	■<1	1 0	1 0	1
lin .	ppm	- <1	 <1	□ <1	1
Aluminum	ppm	9	<u> </u>	9	1 0
Chromium	ppm	■ <1	- <1	<u> </u>	2
Molybdenum	ppm	■39	□38	□46	□ 54
Nickel	ppm	O	0	<u></u> <1	<u></u> <1
ītanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm		 <1	- <1	- <1
/anadium	ppm	0	<1	0	0
ADDITIVES	7				
_		—1544	1602	= 1966	III 1714
Calcium	ppm	■ 1544	1602	■ 1866	□ 1714 □ 626
Magnesium	ppm	487	486	□ 659	□626 □1336
Zinc	ppm	1061	1044	1364	1226
Phosphorus	ppm	■896	■865	■ 1074	□1026

0

0



RIPA AND ASSOCIATES

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T:
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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:RIPTAMUnique No:10714109Signed:Wes DavisReport Date:28 Oct 2023

0

ppm

ppm

0

Barium

Boron



CONSTRUCTION EQUIPMENT





