

CONSTRUCTION EQUIPMENT VOLVO EC480 314580 - DIESEL ENGINE

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3



Sample No: VCP420589

Oil Type:

Job No:

SAMPLE II	NFORMATION			
Sample Number		VCP420589	VCP343029	
Sample Date		13 Jul 2023	20 Jan 2022	
Machine Hours		3878	0	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
OIL CONDI	TION			
Visc @ 100°C	cSt	12.3	12.5	
Base Number (BN)	mg KOH/g	6.6	10.8	
Oxidation (PA)	%	90	88	
CONTAMIN	NATION			
Soot %	%	0.3	0.3	
Nitration (PA)	%	90	70	
Sulfation (PA)	%	64	68	
Glycol	%	NEG	NEG	
Fuel	%	0.7	< 1.0	
Silicon	ppm	1 3	5	
Sodium	ppm	4	2	
Potassium	ppm	0	0	
WEAR ME	TALS			
Iron	ppm	1 3	9	
Copper	ppm	23	20	
Lead	ppm	1	0	
Tin	ppm	1	<1	
Aluminum	ppm	■ <1	<1	
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ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Nickel ppm Titanium ppm

ppm

ppm

ppm

ppm

ppm

| <1

55

3

0

- <1

<1

<1

Manganese Vanadium

Silver

Chromium

Molybdenum

ADDITIVES 1816 Calcium ppm 1702 Magnesium 535 493 ppm **1094** 1081 Zinc ppm Phosphorus ppm 807 892 Barium 0 0 ppm 28 Boron 12 ppm

| <1

45

< 1

<1

< 1

0

<1

 Depot:
 VOLV

 Unique No:
 1056

 Signed:
 Jona

 Report Date:
 20 Ju

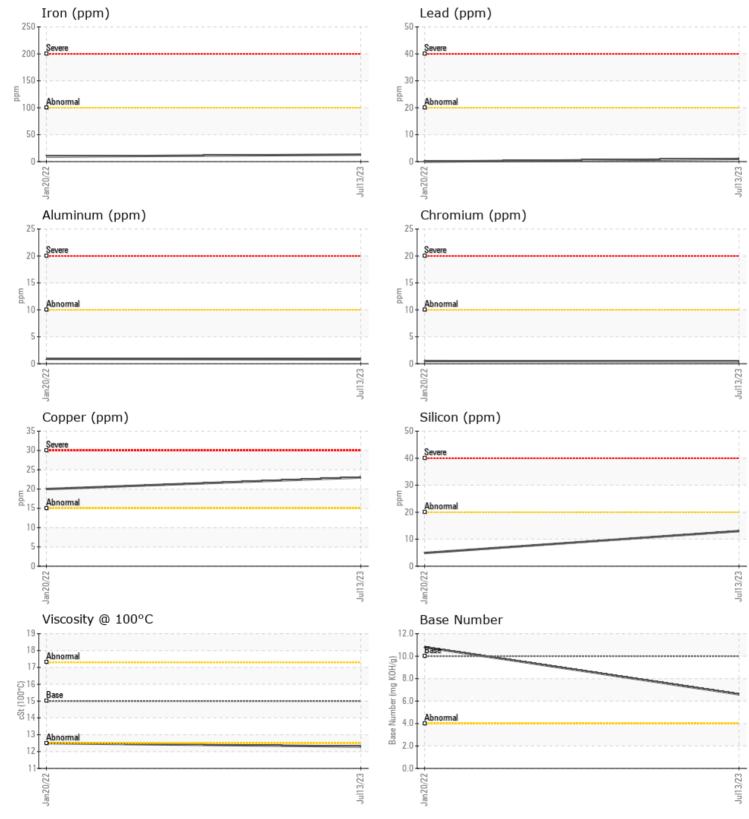
VOLVO0090 10563372 Jonathan Hester 20 Jul 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0090 [WUSCAR] 05902016 (Generated: 07/20/2023 15:59:43) Rev: 1

Contact/Location: TODD LARK - VOLVO0090