CONSTRUCTION EQUIPMENT 606076 IAA VOLVO L90H 626917 - DIESEL ENGINE



Sample No: VCP431345 Oil Type: VOLVO ULT

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

606076 IAA

SAMPLE INFORMATION

Sample Number	-	VCP431345	VCP399557	
Sample Date		19 Sep 2023	19 Dec 2022	
Machine Hours		6495	2090	
Oil Hours		500	500	
Oil Changed		Changed	Changed	
Sample Status		ABNORMAL	NORMAL	
OIL CONE	DITION			
Visc @ 100°C	cSt	12.8	12.8	
Base Number (BN) mg KOH/g	10.3	10.3	
Oxidation (PA)	%	77	81	
CONTAM	INATION			
Soot %	%	0.7	0.3	
Nitration (PA)	%	63	59	
Sulfation (PA)	%	61	61	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	< 1.0	
Silicon	ppm	<u> </u>	5	
Sodium	ppm	4	2	
Potassium	ppm	 <1	0	

WEAR METALS 41 Iron ppm 11 Copper 8 ppm ■ <1 Lead 1 <1 ppm Tin 5 <1 ppm Aluminum ppm 2 Chromium ppm **4** | <1 Molybdenum 40 46 ppm Nickel 0 0 ppm Titanium 0 0 ppm Silver 0 0 ppm Manganese 5 ppm < 1 Vanadium 0 0 ppm

ADDITIVES								
Calcium	ppm	1670	1659					
Magnesium	ppm	616	517					
Zinc	ppm	1200	1143					
Phosphorus	ppm	989	921					
Barium	ppm	0	0					
Boron	ppm	36	35					
Boron	ppm	3 6	35					



ALTA EQUIPMENT COMPANY - METRO WEST

56195 PONTIAC TRAIL NEW HUDSON, MI US 48165 Contact: PAUL CONZ paul.conz@altg.com T: (313)348-8861 F: (248)356-2029

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. 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. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VOLVO2990

 Unique No:
 10668498

 Signed:
 Don Baldridge

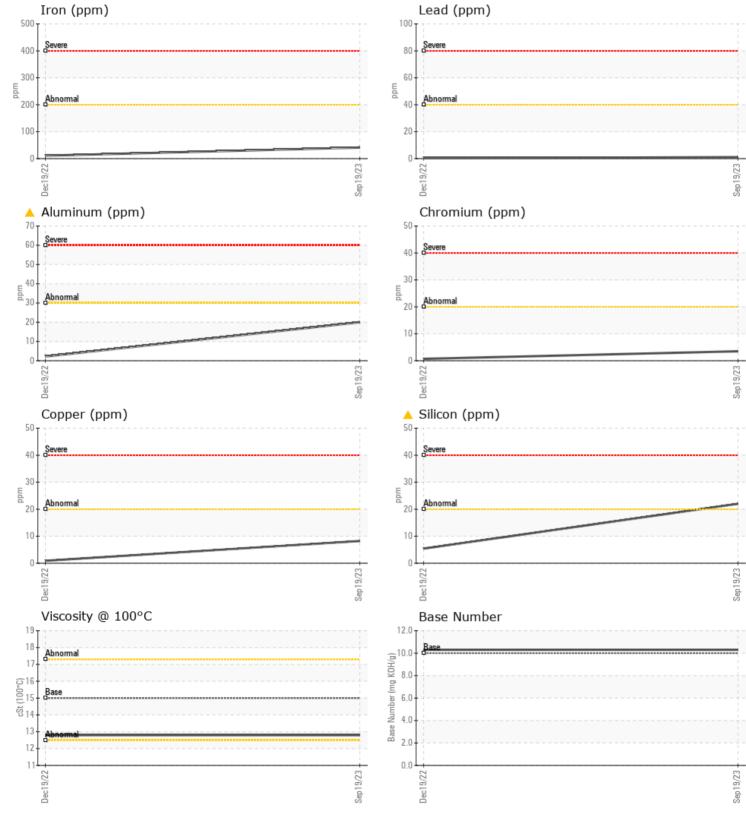
 Report Date:
 28 Sep 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO2990 [WUSCAR] 05961947 (Generated: 09/28/2023 11:25:59) Rev: 1

Contact/Location: PAUL CONZ - VOLVO2990