VOLVO

CONSTRUCTION EQUIPMENT 1018616 VOLVO A60H 340047 - DIESEL ENGINE



Sample No: VCP400118

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	1018616

SAMPLE INFORMATION VCP400118 Sample Number Sample Date 10 May 2023 Machine Hours 11252 Oil Hours 0 Oil Changed Not Changd ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 14.0 Base Number (BN) mg KOH/g 9.0 Oxidation (PA) 73 % CONTAMINATION NEG Water %

Soot %	%	1.3	 	
Nitration (PA)	%	84	 	
Sulfation (PA)	%	74	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	4 7	 	
Sodium	ppm	54	 	
Potassium	ppm	3	 	

WEAR METALS

Iron	ppm	A 268	 	
Copper	ppm	5	 	
Lead	ppm	7	 	
Tin	ppm	3	 	
Aluminum	ppm	8 🛑	 	
Chromium	ppm	8	 	
Molybdenum	ppm	26	 	
Nickel	ppm	1	 	
Titanium	ppm	17	 	
Silver	ppm	0	 	
Manganese	ppm	3	 	
Vanadium	maa	0	 	

ADDITIVES 1704 Calcium ppm 716 Magnesium ppm Zinc ppm 1352 Phosphorus ppm 1153 Barium 0 🔲 ppm **100** Boron ppm

ARNOLD MACHINERY COMPANY

4136 NORTH DONOVAN WAY LAS VEGAS, NV US 89030 Contact: MEAGAN JONES MJONES@ARNOLDMACHINERY.COM T: (702)642-9000 F:

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend an early resample to monitor this condition.Cylinder, crank, or cam shaft wear is indicated. 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 acceptable for the time in service.

 Depot:
 VOLVO5856

 Unique No:
 10473456

 Signed:
 Don Baldridge

 Report Date:
 18 May 2023

Report Id: VOLVO5856 [WUSCAR] 05849349 (Generated: 07/01/2024 16:31:15) Rev: 1

Contact/Location: MEAGAN JONES - VOLVO5856

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GRAPHS

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