## CONSTRUCTION EQUIPMENT SW1034414 VOLVO L260H 1307 - DIESEL ENGINE



Sample No:	VCP337888
Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	SW1034414

VOLVO

## SAMPLE INFORMATION Sample Number VCP337888 Sample Date 09 May 2024 Machine Hours 3196 Oil Hours 0 Oil Changed Not Changd SEVERE Sample Status **OIL CONDITION** Visc @ 100°C cSt 11.3 Base Number (BN) mg KOH/g **A** 3.2 Oxidation (PA) 124 % CONTAMINATION NEG % Water % Soot % 1.2 Nitration (PA) % 136 % 90 Sulfation (PA) Glycol % NEG Fuel % 1.4 **204** Silicon ppm Sodium ppm 27 Potassium ppm 34

WEAR METALS

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Iron	ppm	<b>A</b> 268	 	
Copper	ppm	<u> </u>	 	
Lead	ppm	<u> </u>	 	
Tin	ppm	<b>6</b> 3	 	
Aluminum	ppm	<b>A</b> 219	 	
Chromium	ppm	2	 	
Molybdenum	ppm	93	 	
Nickel	ppm	<b>1</b> 1	 	
Titanium	ppm	6	 	
Silver	ppm	0	 	
Manganese	ppm	<b>12</b>	 	
Vanadium	ppm	<1	 	

ADDITIVES							
Calcium	ppm	2314					
Magnesium	ppm	56					
Zinc	ppm	1245					
Phosphorus	ppm	995					
Barium	ppm	3					
Boron	ppm	<b>11</b>					

ARNOLD MACHINERY COMPANY

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## Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.Piston and cylinder wear is indicated. Bearing and/or bushing wear is indicated. Valve wear is indicated. Fuel content negligible. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is lower than normal. The BN level is low. Confirm oil type. The oil is no longer serviceable due to the presence of contaminants.

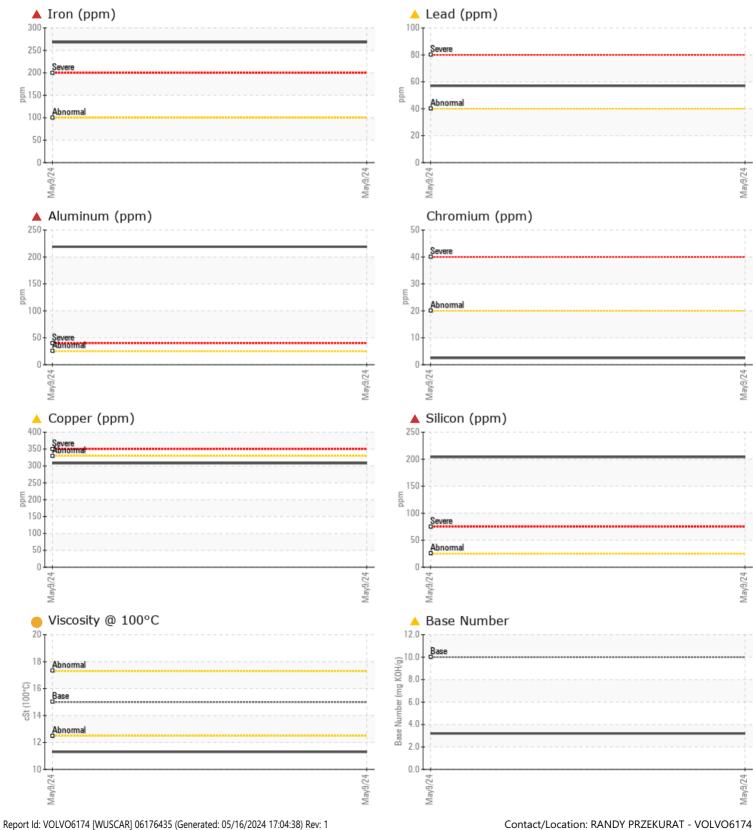
Depot:VOLVO6174Unique No:11022488Signed:Jonathan HesterReport Date:16 May 2024

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



UKAI - VOLVOO174