CONSTRUCTION EQUIPMENT S50900687 PERRAULT VOLVOL110G 8392 - DIESEL ENGINE



Sample No: VCP436788 Oil Type: VOLVO ULT

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: S50900687 PERRAULT

SAMPLE INFORMATION Sample Number VCP436788 VCP337858 Sample Date 02 Feb 2024 25 Jan 2023 Machine Hours 0 15970 Oil Hours 0 0 Oil Changed Changed Not Changd ABNORMAL Sample Status SEVERE **OIL CONDITION** Visc @ 100°C cSt 14.2 **1**7.2 Base Number (BN) mg KOH/g 8.9 15.5 Oxidation (PA) % 57 76 CONTAMINATION % NEG NEG Water Soot % % **3**.1 1 78 Nitration (PA) % 143 % 57 83 Sulfation (PA) Glycol % NEG ▲ 0.20 % Fuel <1.0 <1.0 Silicon ppm **17** 18 Sodium ppm 1403 Potassium ppm **159 1**714

WEAR I	METALS			
Iron	ppm	29	37	
Copper	ppm	3	6	
Lead	ppm	 <1	6	
Tin	ppm	∎1	2	
Aluminum	ppm	11	11	
Chromium	ppm	2	1	
Molybdenum	ppm	35	214	
Nickel	ppm	∎1	 <1	
Titanium	ppm	1	<1	
Silver	ppm		0	
Manganese	ppm	1	<1	
Vanadium	ppm	<1	0	

ADDITIVES								
Calcium	ppm	1217	1325					
Magnesium	ppm	650	513					
Zinc	ppm	821	844					
Phosphorus	ppm	676	735					
Barium	ppm	1	0					
Boron	ppm	74	57					



VCES- VOLVO CONSTRUCTION EQUIPMENT

12345 MAPLEVIEW STREET LAKESIDE, CA US 92040 Contact: Mark Stewart mark.stewart@vcesvolvo.com T: X: F: X:

Diagnosis

We advise that you check for possible coolant leak. Check for low coolant level. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. Sodium and/or potassium levels remain high. The BN result indicates that there is suitable alkalinity remaining in the oil.

 Depot:
 VOLVO4488

 Unique No:
 10900472

 Signed:
 Jonathan Hester

 Report Date:
 01 Mar 2024

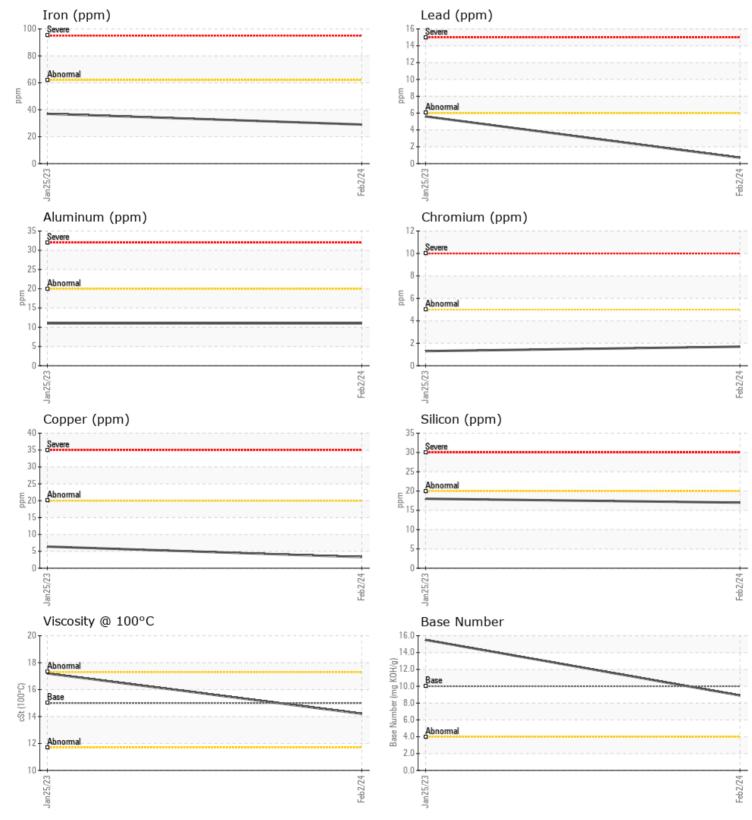
Contact/Location: Mark Stewart - VOLVO4488

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO4488 [WUSCAR] 06102242 (Generated: 03/01/2024 09:58:26) Rev: 1

Contact/Location: Mark Stewart - VOLVO4488