CONSTRUCTION EQUIPMENT 11976 VOLVOL120F 66750 - DIESEL ENGINE



Sample No: VCP444089

VOLVO

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	11976

SAMPLE INFORMATION VCP444089 Sample Number VCE157479 Sample Date 24 Jan 2024 28 Mar 2013 Machine Hours 19000 7247 Oil Hours 0 0 Oil Changed Not Changd Not Changd SEVERE Sample Status NORMAL **OIL CONDITION** F: Visc @ 100°C cSt 17.0 14.82 Base Number (BN) mg KOH/g 24.5 Oxidation (PA) ■48 % 57 CONTAMINATION NEG % NEG Water Soot % % 0.2 0.2 Nitration (PA) % 96 42 % 53 50 Sulfation (PA) Glycol % 0.20 NEG Fuel % <1.0 <1.0 Silicon ppm 8 5 Sodium ppm 1024 32 Potassium ppm **1110** 0 WEAR METALS



WASTE MANAGEMENT

61 BROAD AVE. FAIRVIEW, NJ US 07022 Contact: ART D'ALESIO adalesio@wm.com T: (201)832-8124 F:

Diagnosis

We advise that you check for the source of the coolant leak. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.The copper level is abnormal. Sodium and/or potassium levels are high. Test for glycol is positive. There is a high concentration of glycol present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Iron	ppm	1 4	10				
Copper	ppm	4 54	30				
Lead	ppm	8	3				
Tin	ppm	■ <1	0				
Aluminum	ppm	5	2				
Chromium	ppm	∎1	□ <1				
Molybdenum	ppm	171	<1				
Nickel	ppm	2	□ <1				
Titanium	ppm	<1	<1				
Silver	ppm		0				
Manganese	ppm	2	<1				
Vanadium	ppm	<1	0				
ADDITIVES							
Calcium	ppm	859	2254				
Magnesium	ppm	945	7				
Zinc	ppm	1292	1115				

936

0

47

 Depot:
 WASFAINJ

 Unique No:
 10857576

 Signed:
 Don Baldridge

 Report Date:
 01 Feb 2024

ppm

ppm

ppm

1139

0 🔲

52

Phosphorus

Barium

Boron

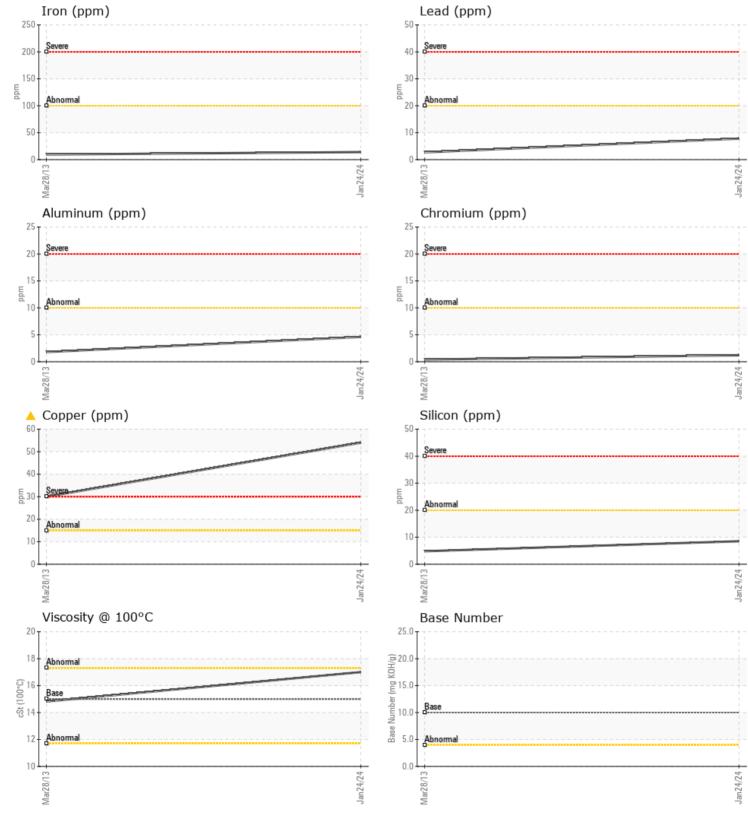
Contact/Location: ART D'ALESIO - WASFAINJ

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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