

CONSTRUCTION EQUIPMENT VOLVO L90G 617476 - DIESEL ENGINE



Sample No: Vo

: VCP384808

Oil Type: DRYDENE 15W40

Job No:

VOLVO			 	
SAMPLE IN	FORMATION			
Sample Number		VCP384808	 	
Sample Date		16 Feb 2024	 	
Machine Hours		6000	 	
Oil Hours		500	 	
Oil Changed		Changed	 	
Sample Status		SEVERE	 	
OIL CONDIT	TION			
Visc @ 100°C	cSt	13.0	 	
Base Number (BN)		8.4	 	
Oxidation (PA)	%	58	 	
	70	50		
VOLVO				
Contamin	ATION			
Water	%	NEG	 	
Soot %	%	0.3	 	
Nitration (PA)	%	83	 	
Sulfation (PA)	%	57	 	
Glycol	%	0.12	 	
Fuel	%	<1.0	 	
Silicon	ppm	9	 	
Sodium	ppm	& 807	 	
Potassium	ppm	A 394	 	
VOLVO				
VEAR MET	TALS			
Iron	ppm	1 9	 	
Copper	ppm	4	 	
Lead	ppm	8	 	
Tin	ppm	□ <1	 	
Aluminum	ppm	<u> </u>	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	87	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	0	 	
		- 4650		
Calcium	ppm	1650	 	
Magnesium	ppm	369 949	 	
		949	 	
Zinc	ppm			
	ppm ppm ppm	818 0	 	



DH FUNK AND SONS LLC

3995 CONTINENTAL DRIVE COLUMBIA, PA US 17512 Contact: GARY SHEPHERD GSHEPHERD@DHFUNK.COM T:

Diagnosis

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.Aluminum ppm levels are abnormal. Piston wear is indicated. Test for glycol is positive. There is a high concentration of glycol present in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

 Depot:
 DHFCOL

 Unique No:
 10896430

 Signed:
 Wes Davis

 Report Date:
 26 Feb 2024

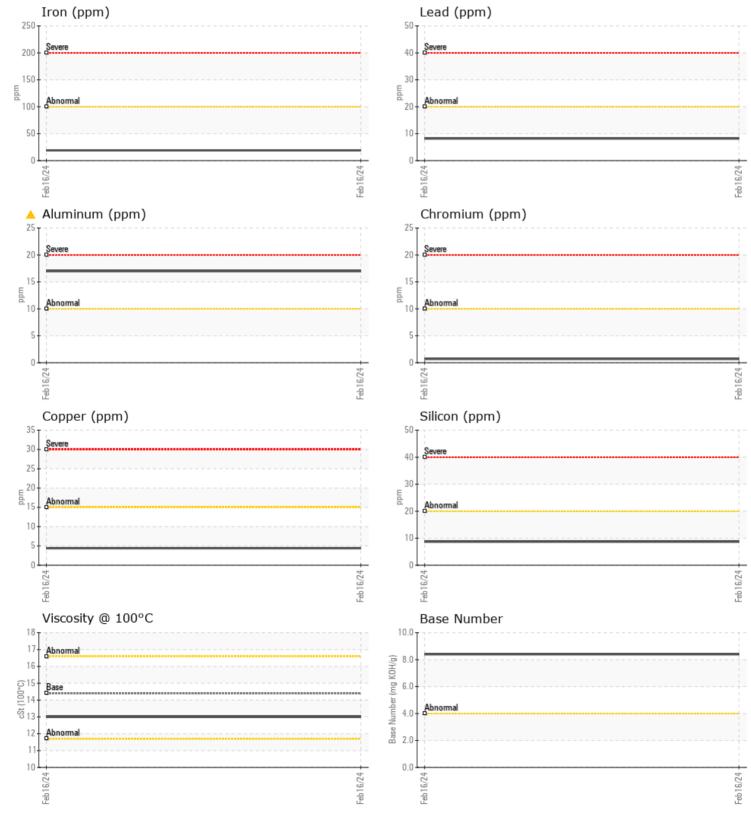
Contact/Location: GARY SHEPHERD - DHFCOL

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: DHFCOL [WUSCAR] 06098200 (Generated: 02/26/2024 12:58:09) Rev: 1

Contact/Location: GARY SHEPHERD - DHFCOL