# CONSTRUCTION EQUIPMENT X11168 OLD CASTLE VOLVO L90H 626890 - DIESEL ENGINE



 Sample No:
 VCP439717

 Oil Type:
 VOLVO ULT

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

X11168 OLD CASTLE

#### SAMPLE INFORMATION VCP439717 Sample Number VCP449112 Sample Date 09 Feb 2024 15 Dec 2023 Machine Hours 1013 737 Oil Hours 737 0 Oil Changed Changed Changed NORMAL NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 12.5 12.6 9.0 Base Number (BN) mg KOH/g 10.4 Oxidation (PA) 79 80 % CONTAMINATION NFG 0/ NFG Water

Water	70	ITEG	NEO	
Soot %	%	0.2	0.4	 
Nitration (PA)	%	53	68	 
Sulfation (PA)	%	61	61	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	< 1.0	 
Silicon	ppm	9	21	 
Sodium	ppm	2	4	 
Potassium	ppm	2	2	 

## WFAR MF

WEAR I	METALS			
Iron	ppm	14	36	 
Copper	ppm	2	8	 
Lead	ppm	0	< 1	 
Tin	ppm	<b>1</b>	4	 
Aluminum	ppm	5	14	 
Chromium	ppm	<b>1</b>	3	 
Molybdenum	ppm	<b>41</b>	38	 
Nickel	ppm	0	<b></b> <1	 
Titanium	ppm	<1	0	 
Silver	ppm	0	0	 
Manganese	ppm	<b>1</b>	5	 
Vanadium	ppm	0	0	 

ADDITIVES							
Calcium	ppm	1485	1501				
Magnesium	ppm	508	598				
Zinc	ppm	<b>1090</b>	1157				
Phosphorus	ppm	804	958				
Barium	ppm	<b>11</b>	<b></b> < 1				
Boron	ppm	<b>46</b>	31				



#### SCOTT EQUIPMENT COMPANY LLC - Texarkana

5401 SANDERSON LANE TEXARKANA, AR US 71854 Contact: JAMES DOSS jdoss@scottcompanies.com T: E:

### Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VOLVO1034

 Unique No:
 10882788

 Signed:
 Wes Davis

 Report Date:
 16 Feb 2024

Report Id: VOLVO1034 [WUSCAR] 06089935 (Generated: 02/16/2024 11:14:17) Rev: 1

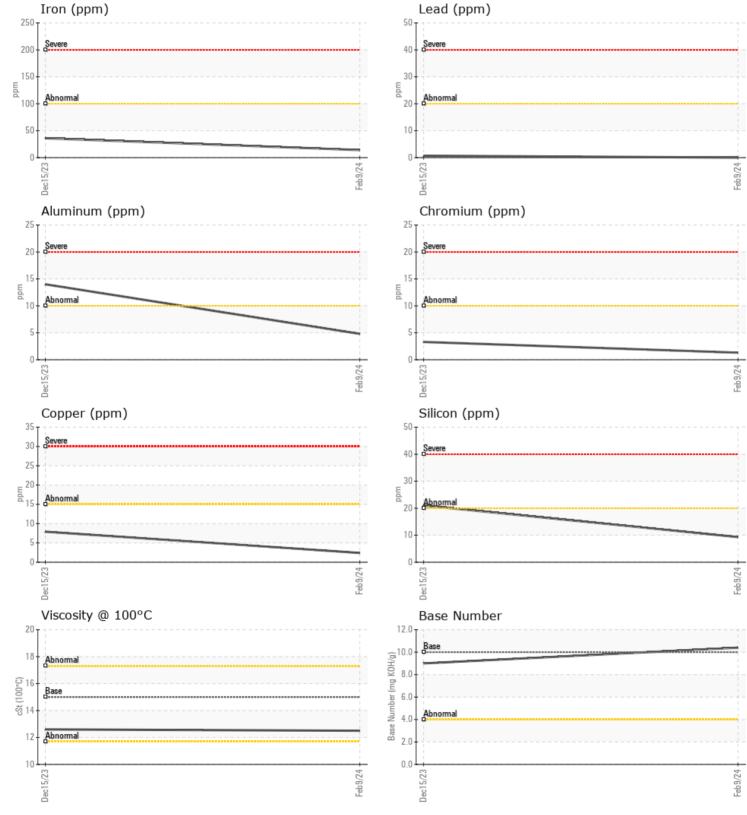
Contact/Location: JAMES DOSS - VOLVO1034

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO1034 [WUSCAR] 06089935 (Generated: 02/16/2024 11:14:19) Rev: 1

Contact/Location: JAMES DOSS - VOLVO1034