## CONSTRUCTION EQUIPMENT 621303 KORREFFEI VOLVO A30 753056 - DIESEL ENGINE

Sample No: VCP434749 Oil Type: VOLVO ULT

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

Tin

Aluminum

Chromium

Nickel

Silver

Titanium

Molybdenum

621303 KORREFFEI

FORMATION								
-	VCP434749							
	27 Oct 2023							
	483							
	483							
	Changed							
	ABNORMAL							
TION								
cSt	<b>10.5</b>							
mg KOH/g	6.5							
%	58							
%	0.2							
%	78							
%	51							
%	NEG							
%	0.5							
ppm	28							
ppm	3							
ppm	<b>4</b>							
WEAR METALS								
ppm	21							
ppm	<u> </u>							
ppm	<b>4</b>							
	ION cSt mg KOH/g % ATION % % % % % % % % % % % % % % % % % % %	VCP434749           27 Oct 2023           483           483           Changed           ABNORMAL           ION           cSt         10.5           mg KOH/g         6.5           %         58           ATION         0.2           %         51           %         51           %         51           %         0.5           ppm         3           ppm         4           ALS         283	VCP434749            27 Oct 2023            483            483            Changed            ABNORMAL            CSt         ▲ 10.5            mg KOH/g         6.5            %         58            %         58            %         51            %         51            %         0.5            %         0.5            %         90.5            %         10.5            %         51            %         51            %         0.5            %         0.5            %         0.5            %         0.5            %         0.5            %         0.5            %         0.5            %         0.5 <th< td=""><td>VCP434749             27 Oct 2023             483             483             Changed             ABNORMAL             row             row        </td></th<>	VCP434749             27 Oct 2023             483             483             Changed             ABNORMAL             row             row				



ALTA EQUIPMENT COMPANY - METRO WEST

56195 PONTIAC TRAIL NEW HUDSON, MI US 48165 Contact: PAUL CONZ paul.conz@altg.com T: (313)348-8861 F: (248)356-2029

## Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Manganese	ppm	4							
Vanadium	ppm	0							
ADDITIVES									
Calcium	ppm	2094							
Magnesium	ppm	27							
Zinc	ppm	<b>1063</b>							
Phosphorus	ppm	<b>1017</b>							
Barium	ppm	0							
Boron	ppm	59							

 Depot:
 VOLVO2990

 Unique No:
 10729731

 Signed:
 Don Baldridge

 Report Date:
 09 Nov 2023

Report Id: VOLVO2990 [WUSCAR] 06001371 (Generated: 11/12/2023 16:25:55) Rev: 1

2

2

<1

80

1

0

**|** <1

ppm

ppm

ppm

ppm

ppm

ppm

ppm

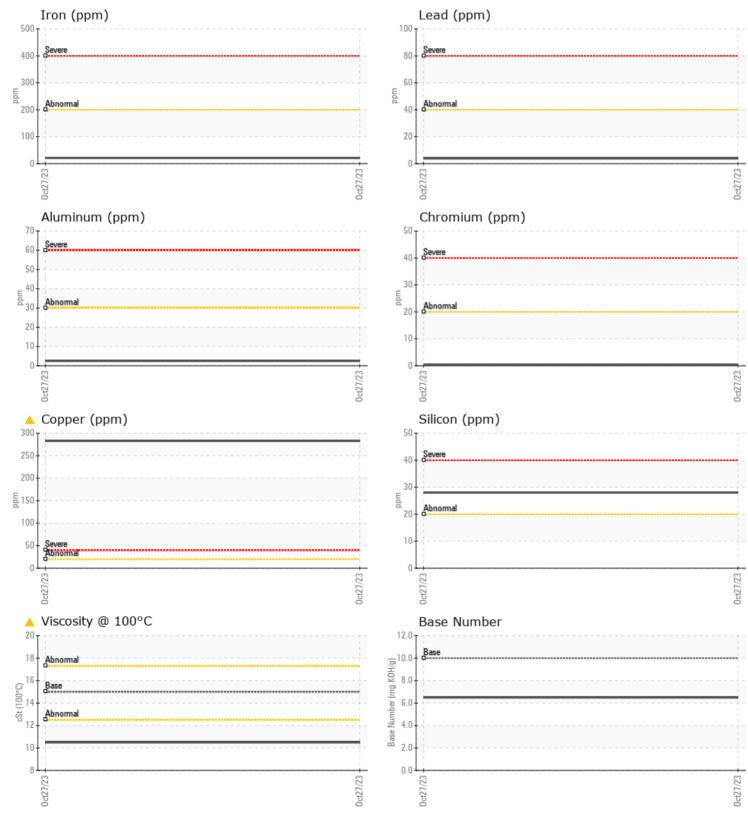
Contact/Location: PAUL CONZ - VOLVO2990

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: PAUL CONZ - VOLVO2990