Sample No:
 VCP449109

 Oil Type:
 VOLVO 30W

 Job No:
 X11025 VEOLIA

VOLVO

SAMPLE INFORMATION

Sample Number		VCP449109	VCP229999	 	
Sample Date		04 Jan 2024	26 Oct 2020	 	
Machine Hours		7916	2577	 	
Oil Hours		7916	350	 	
Oil Changed		Changed	Not Changd	 	
Sample Status		SEVERE	SEVERE	 	
OIL CON	DITION				
Visc @ 100°C	cSt	16.5	▲ 12.4	 	
Base Number (BN	Ŋ mg KOH/g	3.8		 	
Oxidation (PA)	%	116	67	 	
CONTAM	MINATION				
Water	%	NEG	NEG	 	
Soot %	%	0.2	0.2	 	
Nitration (PA)	%	87	63	 	
Sulfation (PA)	%	70	62	 	
Glycol	%	NEG	NEG	 	
Fuel	%	<1.0	▲ 3.8	 	
Silicon	ppm	9 55	173	 	
Sodium	ppm	6	3	 	
Potassium	ppm	■ <1	<□<1	 	

WEAR METALS

Iron	ppm	9 575	28	
Copper	ppm	• 32	3	
Lead	ppm	6	6	
Tin	ppm	01	<1	
Aluminum	ppm	906 🛑	28	
Chromium	ppm	025	4	
Molybdenum	ppm	31	78	
Nickel	ppm	11	3	
Titanium	ppm	0	<1	
Silver	ppm	0	0	
Manganese	ppm	5	<1	
Vanadium	ppm	0	<1	

ADDITIVES						
Calcium	ppm	1521	1378			
Magnesium	ppm	534	417			
Zinc	ppm	1186	1099			
Phosphorus	ppm	761	948			
Barium	ppm	0	0			
Boron	ppm	24	303			



SCOTT EQUIPMENT COMPANY LLC - Texarkana

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

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Piston, ring and cylinder wear is indicated. Bearing and/or bushing wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. 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:
 VOLVO1034

 Unique No:
 10829135

 Signed:
 Jonathan Hester

 Report Date:
 15 Jan 2024

Report Id: VOLVO1034 [WUSCAR] 06057753 (Generated: 01/15/2024 08:35:03) Rev: 1

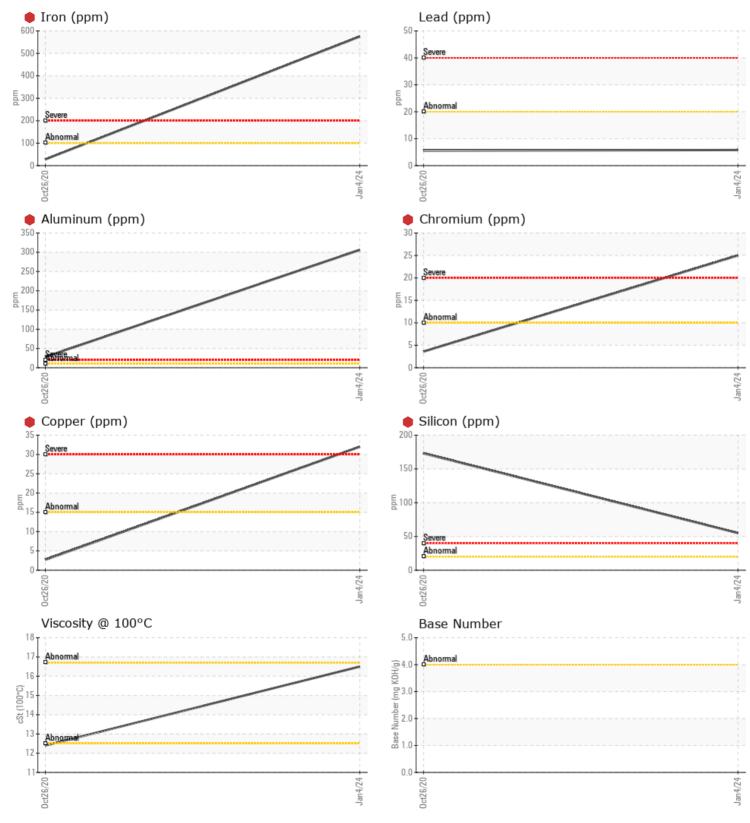
Contact/Location: JAMES DOSS - VOLVO1034

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: JAMES DOSS - VOLVO1034