CONSTRUCTION EQUIPMENT SPM634755 VIL OF ALS VOLVO L60H 622240 - DIESEL ENGINE

VCP320777

 Sample No:
 VCP420165

 Oil Type:
 DIESEL ENGINE OIL SAE 15W40

 Job No:
 SPM634755 VIL OF ALS

VCP420165

Sample Number

TOTATO

Sumple Humber			VCIDLOIII	
Sample Date		30 Nov 2023	14 Oct 2021	 
Machine Hours		1232	428	 
Oil Hours		0	0	 
Oil Changed		Changed	Changed	 
Sample Status		MARGINAL	NORMAL	 
OIL CONDI				
Visc @ 100°C	cSt	12.3	12.6	 
Base Number (BN)	mg KOH/g	8.4		 
Oxidation (PA)	%	70	68	 
CONTAMI				
Water	%	NEG	NEG	 
Soot %	%	0.4	0.2	 
Nitration (PA)	%	78	69	 
Sulfation (PA)	%	55	57	 
Glycol	%	NEG	NEG	 
Fuel	%	<b>A</b> 3.8	<1.0	 
Silicon	ppm	<b>11</b>	22	 
Sodium	ppm	2	4	 
Potassium	ppm	2	0	 

ALTA EQUIPMENT CO - ORLAND PARK

5000 INDUSTRIAL HWY GARY, IN US 46406 Contact: DAVE ENG DAVE.ENG@ALTG.COM T: (312)350-2560 F:

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

WEAD	METALS			
WEAR I	METALS		<u>-</u>	
Iron	ppm	21	21	 
Copper	ppm	3	8	 
Lead	ppm	0	<b></b> <1	 
Tin	ppm	2	0	 
Aluminum	ppm	21	14	 
Chromium	ppm	2	1	 
Molybdenum	ppm	53	22	 
Nickel	ppm	0	<1	 
Titanium	ppm	<b>  </b> <1	<b></b> <1	 
Silver	ppm	0	0	 
Manganese	ppm	□<1	4	 
Vanadium	ppm	0	0	 

ADDITIVES						
Calcium	ppm	986	1445			
Magnesium	ppm	832	647			
Zinc	ppm	1135	970			
Phosphorus	ppm	845	860			
Barium	ppm	<b>11</b>	< 1			
Boron	ppm	5	54			

 Depot:
 VOLVO8885

 Unique No:
 10882809

 Signed:
 Doug Bogart

 Report Date:
 19 Feb 2024

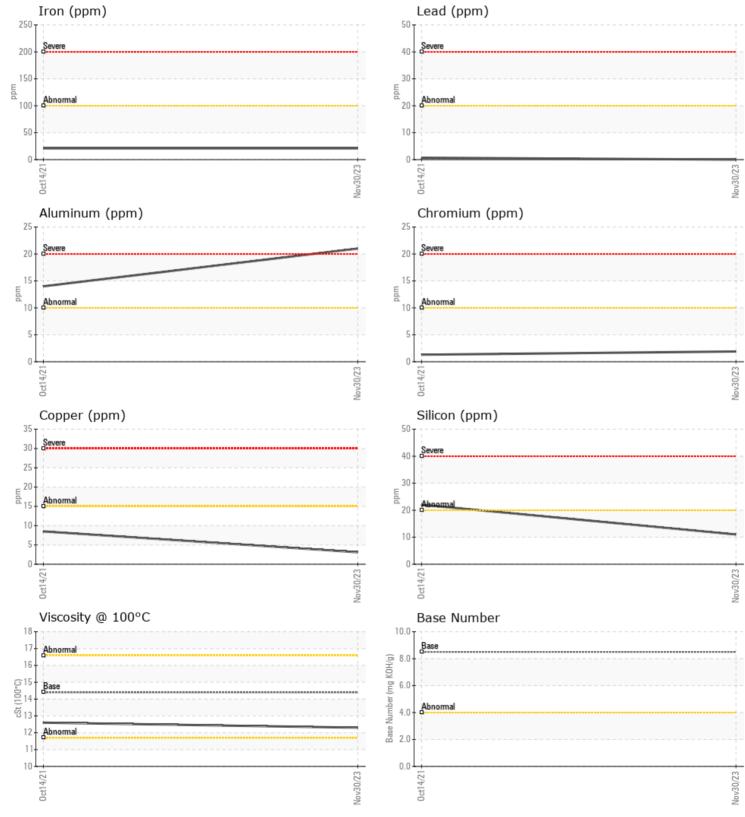
Contact/Location: DAVE ENG - VOLVO8885

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: DAVE ENG - VOLVO8885