**CONSTRUCTION EQUIPMENT** W02007366 VOLVO L70E 60548 - DIESEL ENGINE



Sample No: VCP416110 **Oil Type:** MOBIL 15W40 Job No: W02007366

VOLVO

## SAMPLE INFORMATION Sample Number VCP416110 VCP230527 Sample Date 19 Jul 2023 02 Aug 2018 Machine Hours 8893 8156 Oil Hours 500 600 Oil Changed Changed Changed ATTENTION ATTENTION Sample Status **OIL CONDITION** Visc @ 100°C cSt **10.4 1**1.41 Base Number (BN) mg KOH/g 5.8 Oxidation (PA) % 69 67 CONTAMINATION 0.6 06 % Soot %

3001 /0	/0	0.0	0.0	 
Nitration (PA)	%	63	71	 
Sulfation (PA)	%	59	55	 
Glycol	%	NEG	NEG	 
Fuel	%	3.7	3.3	 
Silicon	ppm	6	4	 
Sodium	ppm	2	4	 
Potassium	ppm		2	 

WEAR N	METALS			
Iron	ppm	22	15	 
Copper	ppm		<1	 
Lead	ppm	<b>1</b>	<1	 
Tin	ppm		0	 
Aluminum	ppm	<b>4</b>	3	 
Chromium	ppm		<1	 
Molybdenum	ppm	86	38	 
Nickel	ppm	0	<1	 
Titanium	ppm	<1	<1	 
Silver	ppm	0	0	 
Manganese	ppm	□ <1	<1	 
Vanadium	ppm	0	0	 

Calcium pp	om	1236	- 1001	
		1230	1331	 
Magnesium pp	om	441	681	 
Zinc pp	om	833	921	 
Phosphorus pp	om	747	814	 
Barium pp	om	<b>□</b> <1	0	 
Boron pp	om	252	42	 



**MCCLUNG-LOGAN EQUIPMENT CO INC** 

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## 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: VOLVO0002 Unique No: Signed: Report Date:

10566566 Don Baldridge 26 Jul 2023

Report Id: VOLVO0002 [WUSCAR] 05905210 (Generated: 07/26/2023 14:08:02) Rev: 1

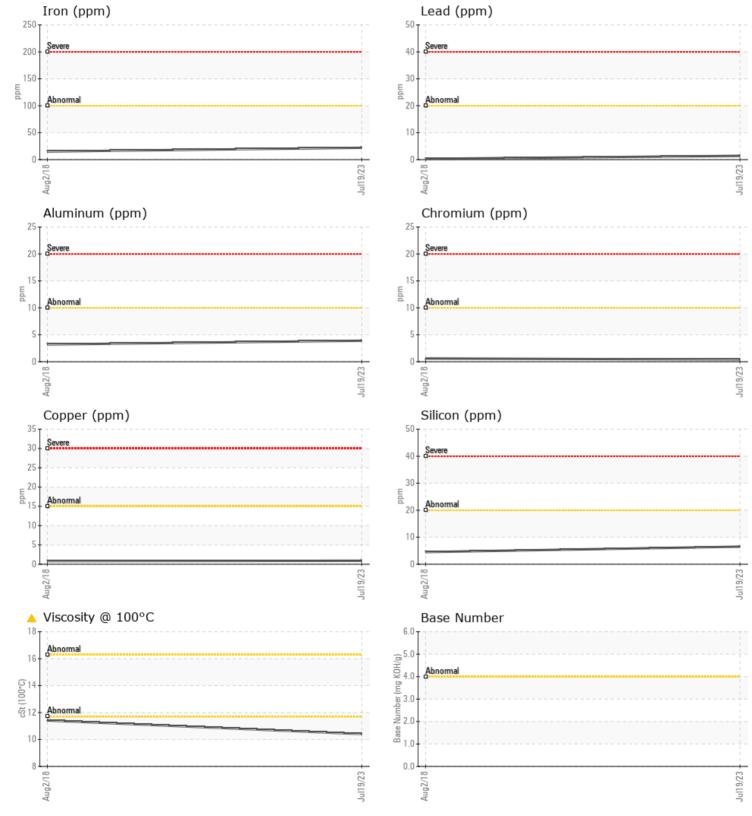
Contact/Location: MIKE MAYHUGH - VOLVO0002

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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