CONSTRUCTION EQUIPMENT

 Sample No:
 VCP405371

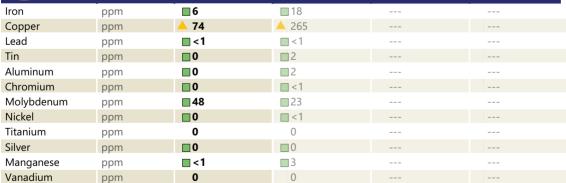
 Oil Type:
 VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

 Job No:
 SPM645114-10

SAMPLE INFORMATION

VOLVO

Sample Number		VCP405371	VCP418619					
Sample Date		07 Dec 2023	11 Aug 2023					
Machine Hours		1188	640					
Oil Hours		0	0					
Oil Changed		N/A	Changed					
Sample Status		ABNORMAL	ABNORMAL					
OIL CONDITION								
Visc @ 100°C	cSt	A 11.9	▲ 11.9					
Base Number (BN)	mg KOH/g	7.3	5.2					
Oxidation (PA)	%	83	56					
CONTAMIN	IATION							
Water	%	NEG	NEG					
Soot %	%		0.1					
Nitration (PA)	%	70	67					
Sulfation (PA)	%	62	58					
Glycol	%	NEG	NEG					
Fuel	%	<1.0	1.5					
Silicon	ppm	∎11	27					
Sodium	ppm	■ <1	2					
Potassium	ppm	0	2					
WEAR ME	TALS		_					
Iron	ppm	6	18					
Copper	ppm	<u> </u>	<u> </u>					



ADDITIVES								
Calcium	ppm	1691	2136					
Magnesium	ppm	451	151					
Zinc	ppm	1046	1108					
Phosphorus	ppm	844	903					
Barium	ppm	0	0					
Boron	ppm	1 4	2					



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The copper level has decreased, but is still abnormal. All other component wear rates are normal. 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.

 Depot:
 VOLVO0090

 Unique No:
 10780111

 Signed:
 Don Baldridge

 Report Date:
 13 Dec 2023

Report Id: VOLVO0090 [WUSCAR] 06030320 (Generated: 12/13/2023 14:01:36) Rev: 1

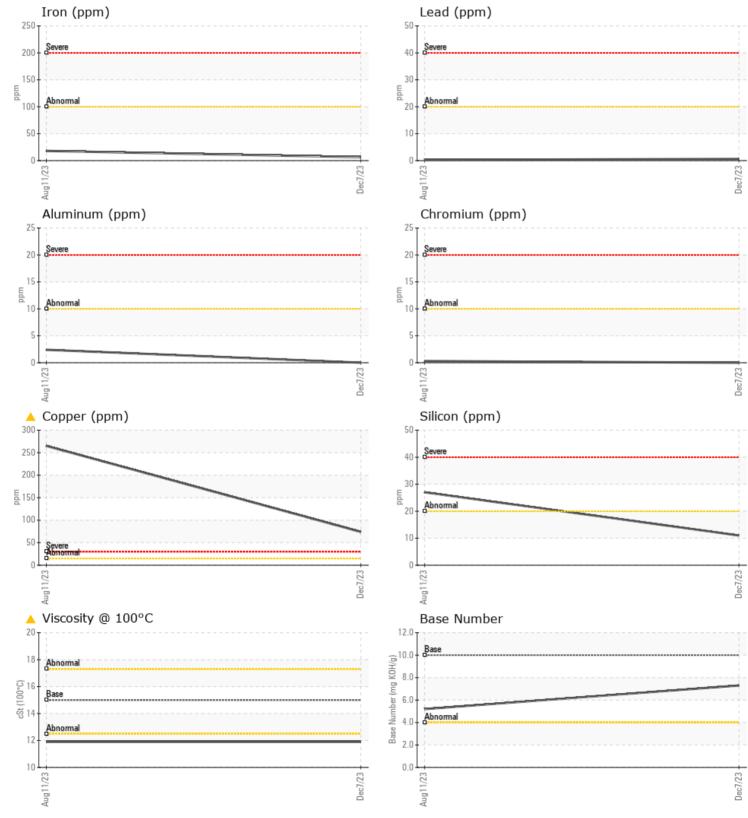
Contact/Location: TODD LARK - VOLVO0090

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0090 [WUSCAR] 06030320 (Generated: 12/13/2023 14:01:38) Rev: 1

Contact/Location: TODD LARK - VOLVO0090