CONSTRUCTION EQUIPMENT X18243 APAC BLACKHAW VOLVO A40G 352867 - DIESEL ENGINE

Sample No: VCP442321

VOLVO

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: X18243 APAC BLACKHAW

SAMPLE INFORMATION VCP442321 Sample Number Sample Date 14 Feb 2024 Machine Hours 3985 Oil Hours 300 Changed Oil Changed Sample Status MARGINAL **OIL CONDITION** Visc @ 100°C cSt **12.2** Base Number (BN) mg KOH/g 7.8 Oxidation (PA) % 86 CONTAMINATION % NEG Water Soot % % 0.4 Nitration (PA) % 92 % 62 Sulfation (PA) Glycol % NEG % Fuel 1.2 Silicon ppm 13 Sodium ppm **||** < 1 Potassium ppm 2



WEAR METALS								
Iron	ppm	13						
Copper	ppm	2						
Lead	ppm	 <1						
Tin	ppm	 <1						
Aluminum	ppm	8						
Chromium	ppm	 <1						
Molybdenum	ppm	41						
Nickel	ppm	3						
Titanium	ppm	<1						
Silver	ppm	0						
Manganese	ppm	 <1						
Vanadium	ppm	0						

ADDITIVES								
Calcium	ppm	1590						
Magnesium	ppm	501						
Zinc	ppm	1108						
Phosphorus	ppm	977						
Barium	ppm	10						
Boron	ppm	1 8						



SCOTT EQUIPMENT COMPANY LLC - Jackson 3860 I-55 South JACKSON, MS US 39212 Contact: DWIGHT MCDOUGAL DMCDOUGAL@SCOTTCOMPANIES.COM T: F: (601)326-3359

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. 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.

Depot: VOLVO8771 Unique No: 10885605 Signed: Jonathan Hester **Report Date:** 22 Feb 2024

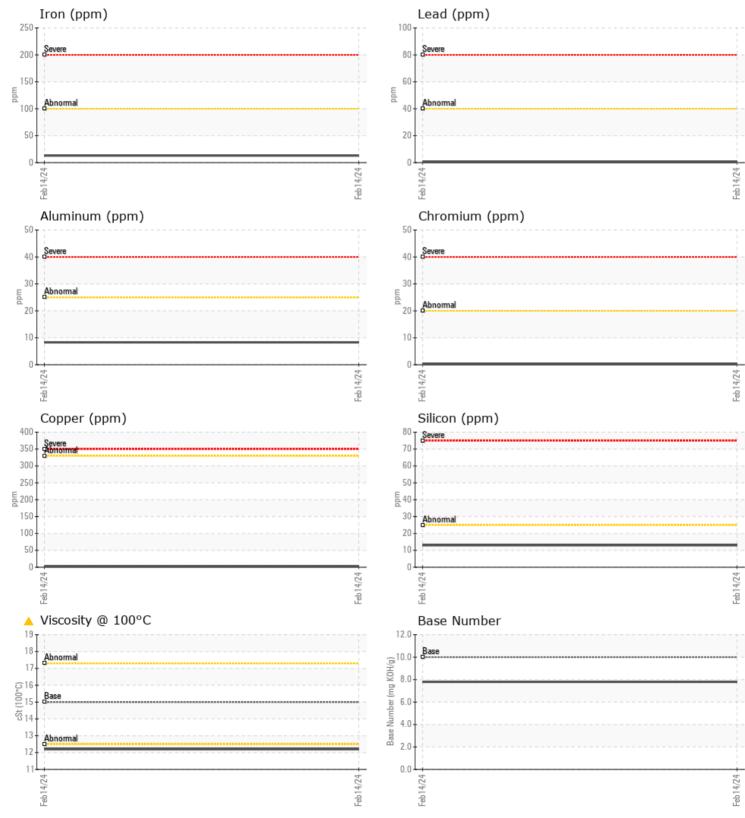
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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