CONSTRUCTION EQUIPMENT 12621 METAL TECH VOLVOL 180H 5334 - DIESEL ENGINE



 Sample No:
 VCP454442

 Oil Type:
 VOLVO ULTR

12621 METAL TECH

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

SAMPLE INFORMATION VCP454442 Sample Number VCP445523 Sample Date 06 May 2024 19 Mar 2024 Machine Hours 9379 9080 Oil Hours 500 500 Oil Changed Changed Changed NORMAL NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.1 12.9 6.8 6.4 Base Number (BN) mg KOH/g Oxidation (PA) 43 45 %

CONTAMINATION								
Water	%	NEG	NEG					
Soot %	%	0.1	0.2					
Nitration (PA)	%	57	58					
Sulfation (PA)	%	47	50					
Glycol	%	NEG	NEG					
Fuel	%	<1.0	< 1.0					
Silicon	ppm	6	3					
Sodium	ppm	3	4					
Potassium	ppm	5	2					

WEAR MET

WEAR N	METALS			
Iron	ppm	6	4	
Copper	ppm	3	 <1	
Lead	ppm	3	0	
Tin	ppm	3	0	
Aluminum	ppm	4	1	
Chromium	ppm	2	0	
Molybdenum	ppm	🔲 10	4	
Nickel	ppm	2	0	
Titanium	ppm	27	<1	
Silver	ppm	3	0	
Manganese	ppm	2	0	
Vanadium	ppm	3	<1	

ADDITIVES							
Calcium	ppm	1951	2359				
Magnesium	ppm	191	62				
Zinc	ppm	1052	1102				
Phosphorus	ppm	901	770				
Barium	ppm	1	0				
Boron	ppm	46	4				



HOFFMAN EQUIPMENT - LIONVILLE

120 GORDON DRIVE LIONVILLE, PA US 19341 Contact: JIM FEHR jim.fehr@hoffmanequip.com T: (610)363-9200 F: (610)594-0829

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination 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.

 Depot:
 VOLVO8879

 Unique No:
 11033707

 Signed:
 Don Baldridge

 Report Date:
 20 May 2024

Report Id: VOLVO8879 [WUSCAR] 06182381 (Generated: 05/20/2024 13:54:24) Rev: 1

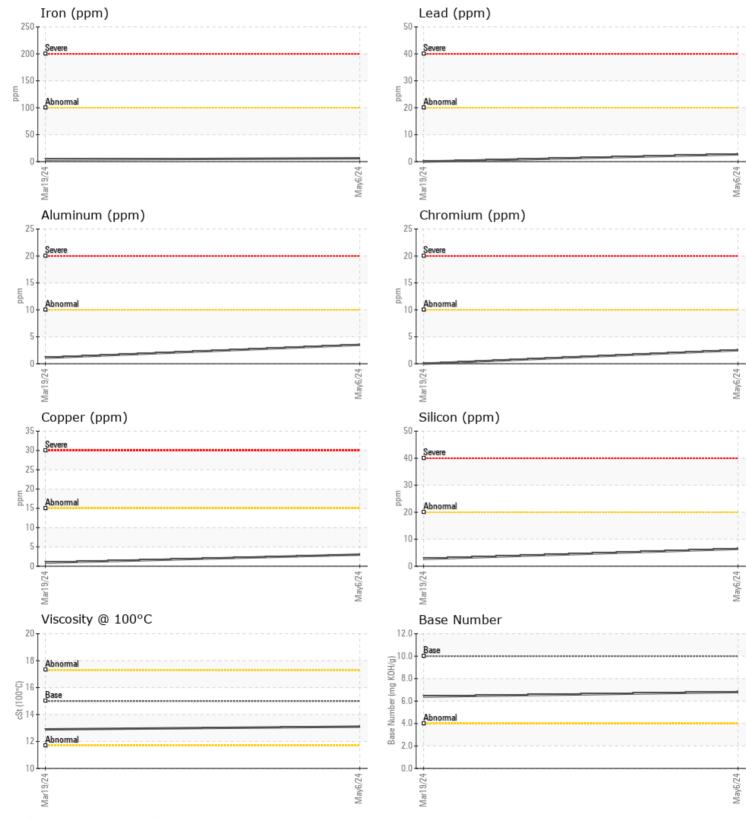
Contact/Location: JIM FEHR - VOLVO8879

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO8879 [WUSCAR] 06182381 (Generated: 05/20/2024 13:54:27) Rev: 1

Contact/Location: JIM FEHR - VOLVO8879