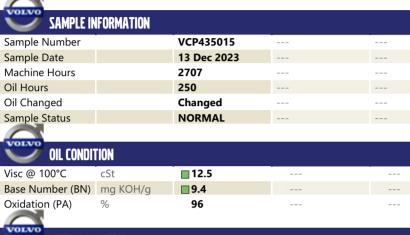
VOLVO

CONSTRUCTION EQUIPMENT 3653BS PETERBILT 337 670382 - DIESEL ENGINE



Sample No: VCP435015

Oil Type:	VOLVO VDS-4.5 Premium Motor Oil 15W40			
Job No:	3653BS			



CONTAN	MINATION			
Water	%	NEG	 	
Soot %	%	0.2	 	
Nitration (PA)	%	77	 	
Sulfation (PA)	%	64	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	6	 	
Sodium	ppm	2	 	
Potassium	ppm	10	 	

WEAR METALS

Iron	ppm	8	 	
Copper	ppm	 <1	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	6	 	
Chromium	ppm	0	 	
Molybdenum	ppm	39	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	0	 	

ADDITIVES					
Calcium	ppm	1651			
Magnesium	ppm	506			
Zinc	ppm	1107			
Phosphorus	ppm	881			
Barium	ppm	0			
Boron	ppm	45			



HIGHWAY EQUIPMENT AND SUPPLY CO

200 BURKHOLDER DR. EPHRATA, PA US 17522 Contact: ALEXIS MILLER amiller@hwyequip.com T: F: (717)859-2698

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 suitable for further service.

 Depot:
 INSEPH

 Unique No:
 10792835

 Signed:
 Wes Davis

 Report Date:
 19 Dec 2023

Report Id: INSEPH [WUSCAR] 06037606 (Generated: 12/19/2023 07:33:00) Rev: 1

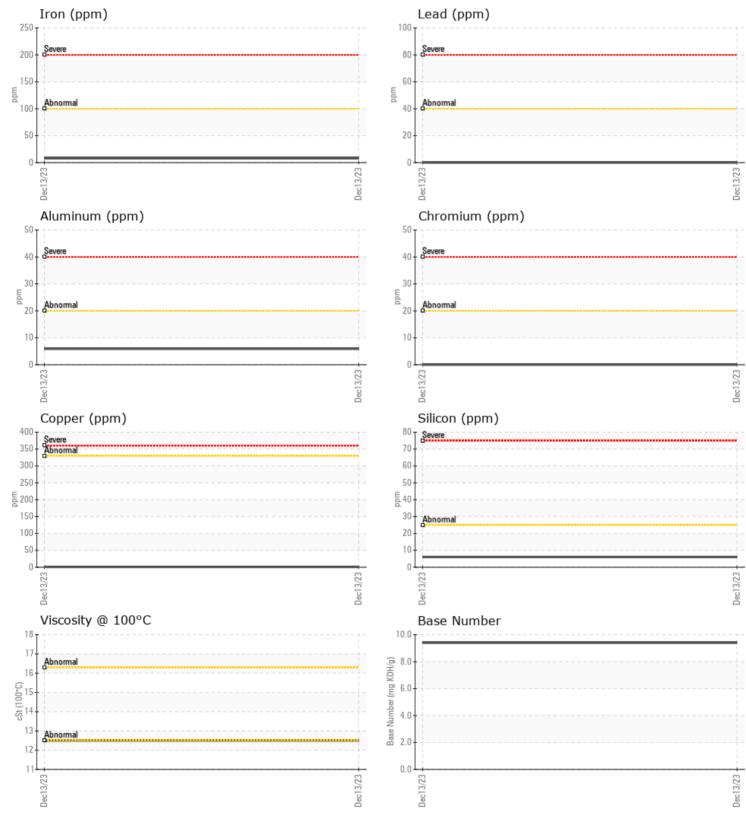
Contact/Location: ALEXIS MILLER - INSEPH

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: INSEPH [WUSCAR] 06037606 (Generated: 12/19/2023 07:33:02) Rev: 1

Contact/Location: ALEXIS MILLER - INSEPH