CONSTRUCTION EQUIPMENT SW27529 VOLVO ECR145E 314542 - DIESEL ENGINE



 Sample No:
 VCP441682

 Oil Type:
 MOBIL 15W40

 Job No:
 SW27529

VOLVO

SAMPLE INFORMATION VCP441682 Sample Number Sample Date 13 Dec 2023 Machine Hours 2127 Oil Hours 147 Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.0 Base Number (BN) mg KOH/g 9.5 Oxidation (PA) 57 %

	MINATION			
Water	%	NEG	 	
Soot %	%	0.2	 	
Nitration (PA)	%	48	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	4	 	
Sodium	ppm	 <1	 	
Potassium	ppm	2	 	

WEAR METALS

Iron	ppm	6	 	
Copper	ppm		 	
Lead	ppm	0	 	
Tin	ppm		 	
Aluminum	ppm	2	 	
Chromium	ppm		 	
Molybdenum	ppm	79	 	
Nickel	ppm		 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	0	 	

ADDITIVES 1043 Calcium ppm Magnesium 893 ppm ppm Zinc 1191 988 Phosphorus ppm Barium 0 🔲 ppm 32 Boron ppm



ARNOLD MACHINERY COMPANY

3330 NORTH YELLOWSTONE HIGHWAY IDAHO FALLS, ID US 83401 Contact: DAVE BOSTON dboston@arnoldmachinery.com T: F: (208)523-9918

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:
 VOLVO0077

 Unique No:
 10795623

 Signed:
 Don Baldridge

 Report Date:
 21 Dec 2023

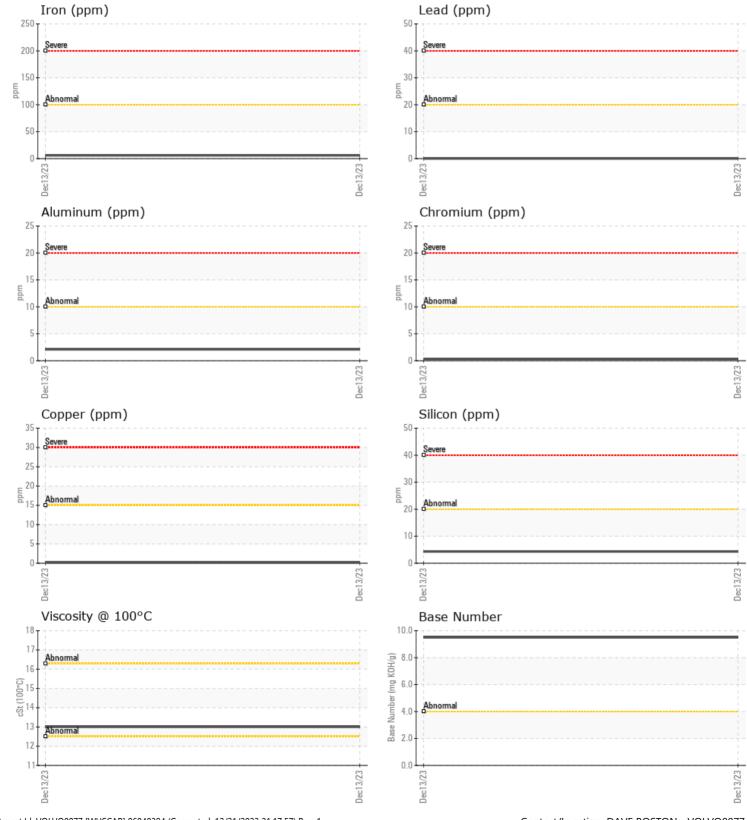
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: DAVE BOSTON - VOLVO0077