

## **CONSTRUCTION EQUIPMENT**

CODY CAMERON CUMMINS CUMMINS ISX 15 - DIESEL ENGINE



Oil Type: DIESEL ENGINE OIL SAE 15W40

Job No: CODY CAMERON

VOLVO	INFORMATION			
SAMPLE	INFORMATION			
Sample Number		VCP363170	 	
Sample Date		17 Jun 2024	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CON	DITION			
				_
Visc @ 100°C	cSt	<b>14.1</b>	 	
Base Number (BN		■8.9	 	
Oxidation (PA)	%	58	 	
VOLVO				
	MINATION			
Water	%	NEG	 	
Soot %	%	■0.7	 	
Nitration (PA)	%	60	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	■4	 	
Sodium	ppm	2	 	
Potassium		<b>3</b>		
1 Otassiaiii	ppm			
VOLVO				
WEAR M	METALS			
Iron	ppm	<b>1</b> 6	 	
Copper	ppm	<b>■&lt;1</b>	 	
Lead	ppm	<b>■</b> 0	 	
Tin	ppm	<b></b>	 	
Aluminum	ppm	<b>2</b>	 	
Chromium	ppm	<b>■&lt;1</b>	 	
Molybdenum	ppm	<b>■</b> 58	 	
Nickel	ppm	<b>0</b>	 	
Titanium	ppm	<b>0</b>	 	
Silver	ppm	<b>■</b> 0	 	
Manganese	ppm	<b>0</b>	 	
Vanadium	ppm	0	 	
ADDITIV	IEC			
_				
Calcium	ppm	<b>1109</b>	 	
Magnesium	ppm	<b>920</b>	 	
Zinc	ppm	<b>1284</b>	 	
Phosphorus	ppm	<b>1139</b>	 	
Barium	ppm	■ 0	 	

#### ARNOLD MACHINERY COMPANY

3330 NORTH YELLOWSTONE HIGHWAY IDAHO FALLS, ID US 83401 Contact: GEOFF BAGLEY gbagley@arnoldmachinery.com T: (208)313-1805 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 suitable for further service.

 Depot:
 VOLVO0077

 Unique No:
 11115397

 Signed:
 Wes Davis

 Report Date:
 10 Jul 2024

ppm

Boron



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