VOLVO

CONSTRUCTION EQUIPMENT RANGO VOLVO A60H 340071 - DIESEL ENGINE



Sample No:VCP388315Oil Type:DIESEL ENGINE OIL SAE 15W40Job No:RANGO

SAMPLE I	FORMATION			
Sample Number		VCP388315	 	
Sample Date		02 May 2024	 	
Machine Hours		9449	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		ATTENTION	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	13.7	 	
Base Number (BN)	mg KOH/g	8.6	 	
Oxidation (PA)	%	55	 	
CONTAMIN	IATION			
Water	%	NEG	 	
Soot %	%	0.5	 	
Nitration (PA)	%	55	 	
Sulfation (PA)	%	55	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	8	 	
Sodium	ppm	69	 	
Potassium	ppm	2	 	
VOLVO				
WEAR ME	TALS			
Iron	ppm	10	 	

ARNOLD MACHINERY COMPANY

4323 EAST WINSLOW AVENUE PHOENIX, AZ US 85040 Contact: JAKE ZAYES jzayes@arnoldmachinery.com T: (602)414-1900 F: (602)414-1904

Diagnosis

Check for low coolant level. Resample at the next service interval to monitor.All component wear rates are normal. Sodium and/or potassium levels are high. Test for glycol is negative. 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.

WEAR N	METALS			
Iron	ppm	1 0	 	
Copper	ppm	9	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm		 	
Molybdenum	ppm	15	 	
Nickel	ppm	0	 	
Titanium	ppm	89	 	
Silver	ppm	0	 	
Manganese	ppm	□ <1	 	
Vanadium	ppm	<1	 	

ADDITIVES							
Calcium	ppm	🔲 1909					
Magnesium	ppm	406					
Zinc	ppm	1159					
Phosphorus	ppm	995					
Barium	ppm	0					
Boron	ppm	169					

 Depot:
 VOLVO6174

 Unique No:
 11019680

 Signed:
 Sean Felton

 Report Date:
 16 May 2024

Report Id: VOLVO6174 [WUSCAR] 06173627 (Generated: 05/16/2024 17:16:29) Rev: 1

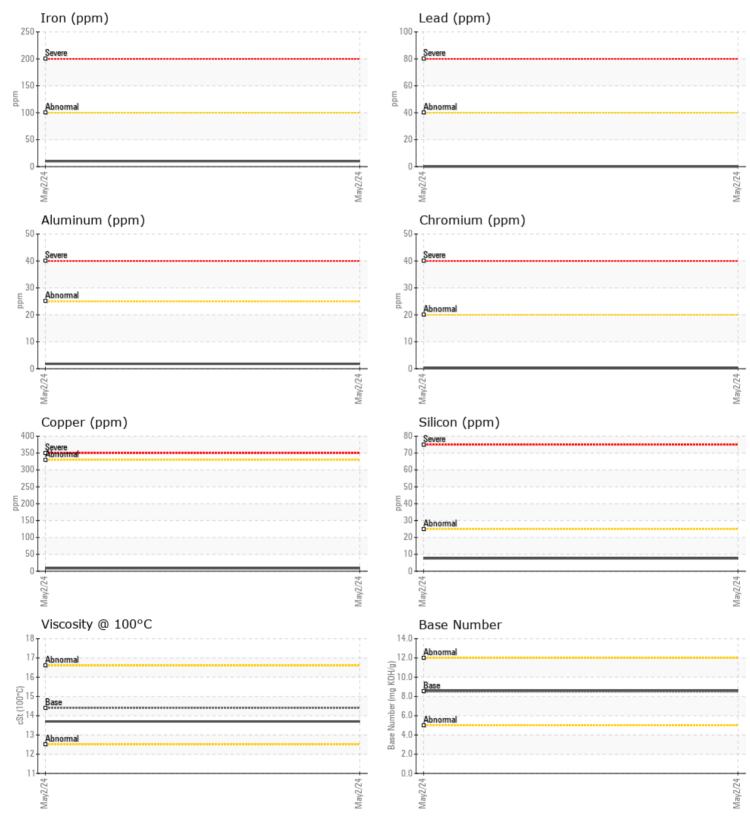
Contact/Location: JAKE ZAYES - VOLVO6174

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: JAKE ZAYES - VOLVO6174