## CONSTRUCTION EQUIPMENT 319992 IAA VOLVO L90H 626972 - DIESEL ENGINE



 Sample No:
 VCP368545

 Oil Type:
 VOLVO ULT

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

319992 IAA

## SAMPLE INFORMATION VCP368545 Sample Number VCP350409 Sample Date 17 Jun 2024 05 Dec 2023 Machine Hours 2067 1066 Oil Hours 0 0 Oil Changed Changed Changed NORMAL ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.3 13.0 8.8 Base Number (BN) mg KOH/g 9.9 Oxidation (PA) 89 86 % CONTAMINATION NEG % NEG Water

Soot %	%	0.5	0.5	 
Nitration (PA)	%	77	73	 
Sulfation (PA)	%	63	62	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	<1.0	 
Silicon	ppm	9	<u> </u>	 
Sodium	ppm	2	2	 
Potassium	ppm	0	<b></b> <1	 

WEAD

WEAR I	METALS			
Iron	ppm	23	39	 
Copper	ppm	3	5	 
Lead	ppm	0	<b></b> <1	 
Tin	ppm		3	 
Aluminum	ppm	3	5	 
Chromium	ppm	∎1	3	 
Molybdenum	ppm	<b>49</b>	42	 
Nickel	ppm	0	<b></b> <1	 
Titanium	ppm	0	<b></b> < 1	 
Silver	ppm	0	0	 
Manganese	ppm	<b>1</b>	4	 
Vanadium	ppm	<1	0	 

ADDITIVES							
Calcium	ppm	2111	1682				
Magnesium	ppm	618	601				
Zinc	ppm	<b>1390</b>	1195				
Phosphorus	ppm	1138	1016				
Barium	ppm	■<1	3				
Boron	ppm	31	31				



PACWEST MACHINERY

4030 EAST TRENT AVENUE SPOKANE, WA US 99202 Contact: SAM SICILIA ssicilia@pacwestmachinery.com T: (509)954-5973 F: (509)534-5286

## 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:
 VOLV01272

 Unique No:
 11090614

 Signed:
 Wes Davis

 Report Date:
 25 Jun 2024

Report Id: VOLVO1272 [WUSCAR] 06217750 (Generated: 06/25/2024 04:44:53) Rev: 1

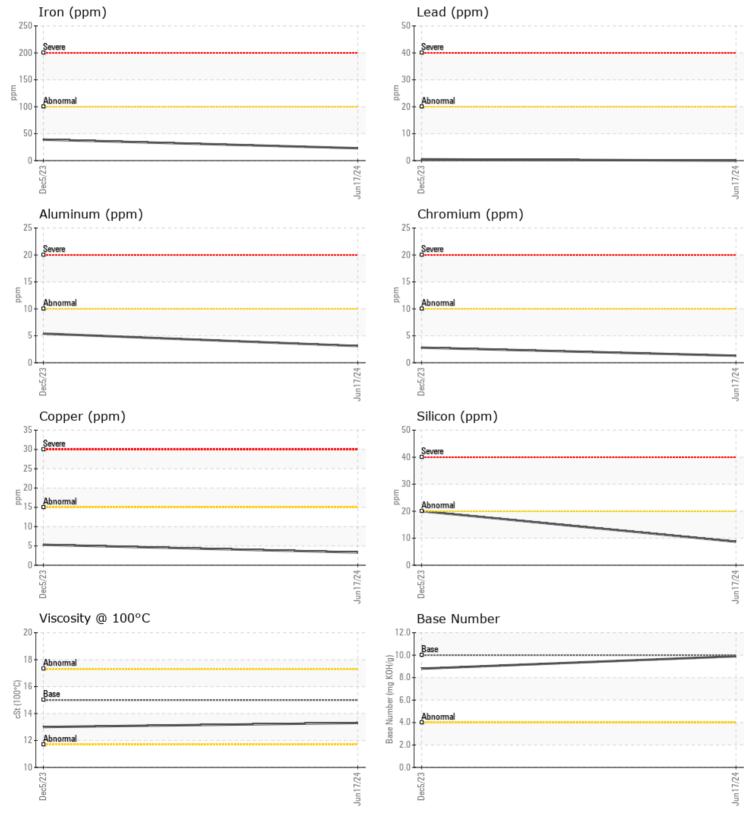
Contact/Location: SAM SICILIA - VOLVO1272

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: SAM SICILIA - VOLVO1272