CONSTRUCTION EQUIPMENT 319341 IAA VOLVO L90H 626972 - DIESEL ENGINE



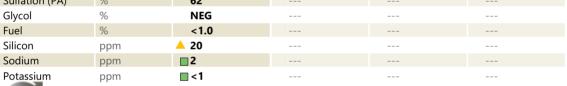
 Sample No:
 VCP350409

 Oil Type:
 DIESEL ENGINE OIL SAE 40

 Job No:
 319341 IAA

VOLVO

## SAMPLE INFORMATION Sample Number VCP350409 Sample Date 05 Dec 2023 Machine Hours 1066 Oil Hours 0 Changed Oil Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.0 Base Number (BN) mg KOH/g 8.8 Oxidation (PA) 86 % CONTAMINATION % NEG Water Soot % % 0.5 Nitration (PA) % 73 % 62 Sulfation (PA)



WEAP METALS

WEAK M	IE I ALS			
Iron	ppm	39	 	
Copper	ppm	5	 	
Lead	ppm	<b></b> <1	 	
Tin	ppm	3	 	
Aluminum	ppm	<b>5</b>	 	
Chromium	ppm	3	 	
Molybdenum	ppm	<b>42</b>	 	
Nickel	ppm	■ <1	 	
Titanium	ppm	<b></b> <1	 	
Silver	ppm	0	 	
Manganese	ppm	<b>4</b>	 	
Vanadium	ppm	0	 	

ADDITIVES								
Calcium	ppm	<b>1682</b>						
Magnesium	ppm	<b>601</b>						
Zinc	ppm	<b>1195</b>						
Phosphorus	ppm	<b>1016</b>						
Barium	ppm	3						
Boron	ppm	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

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. 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:
 VOLV01272

 Unique No:
 10802531

 Signed:
 Sean Felton

 Report Date:
 22 Dec 2023

Report Id: VOLVO1272 [WUSCAR] 06041923 (Generated: 12/22/2023 14:09:09) Rev: 1

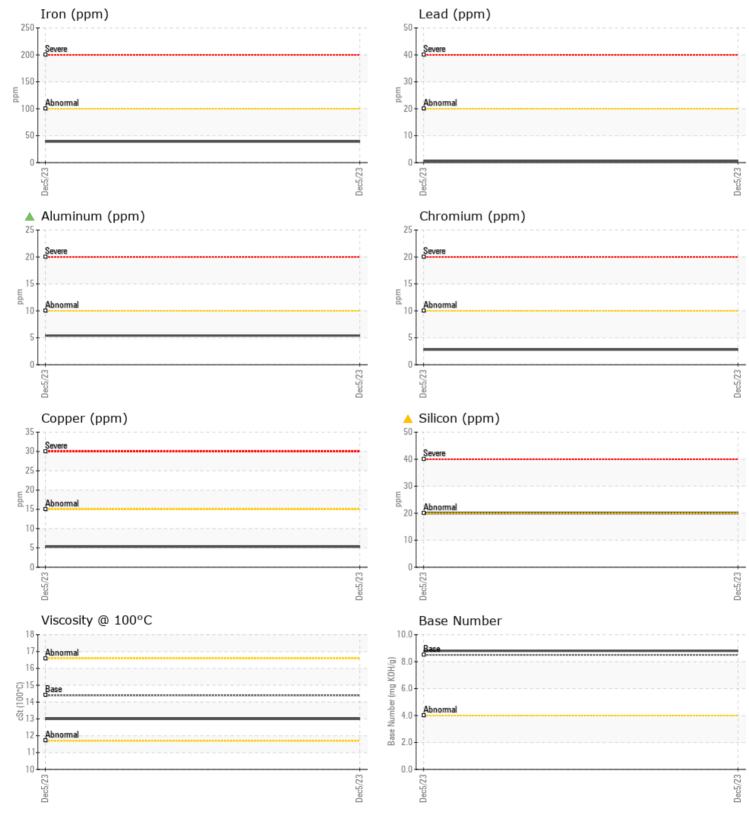
Contact/Location: SAM SICILIA - VOLVO1272

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO1272 [WUSCAR] 06041923 (Generated: 12/22/2023 14:09:11) Rev: 1

Contact/Location: SAM SICILIA - VOLVO1272