CONSTRUCTION EQUIPMENT JJ SPRAGUE HITACHI EX450LC-5 16CP007812 - RIGHT DRIVE

Sample No:	VCP414452			
Oil Type:	GEAR OIL SAE 80W90			
Job No:	JJ SPRAGUE			

VOLVO

	INFORMATIO	N		
Sample Number	_	VCP414452	 	
Sample Date		28 Aug 2023	 	
Machine Hours		14253	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		SEVERE	 	
OIL CON				
Visc @ 40°C	cSt	145	 	
VOLVO				
CONTAM	INATION			
Silicon	ppm	• 774	 	
Sodium	ppm	34	 	
Potassium	ppm	71	 	
WEAR M	ETAL C			
Iron	ppm	<mark>▲</mark> 801	 	
Copper	ppm	2	 	
Lead	ppm	□<1	 	
Tin	ppm	0	 	
Aluminum	ppm	1 74	 	
Chromium	ppm	A 14	 	
Molybdenum	ppm	1	 	
Nickel	ppm	2	 	
Titanium	ppm	10	 	
Silver	ppm	0	 	
Manganese	ppm	9	 	
Vanadium	ppm	<1	 	
	FS			

	AL7			
Calcium	ppm	156	 	
Magnesium	ppm	62	 	
Zinc	ppm	1 4	 	
Phosphorus	ppm	925	 	
Barium	ppm	4	 	
Boron	ppm	179	 	



ARNOLD MACHINERY COMPANY

4323 EAST WINSLOW AVENUE PHOENIX, AZ US 85040 Contact: RANDY PRZEKURAT randyp@arnoldmachinery.com T: F: (602)414-1904

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

 Depot:
 VOLVO6174

 Unique No:
 10634472

 Signed:
 Don Baldridge

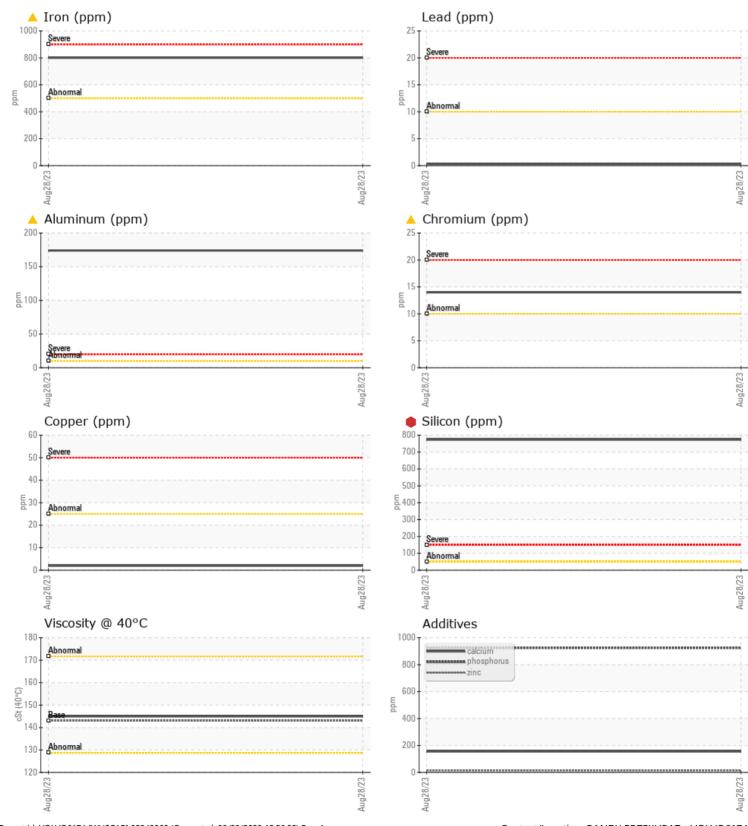
 Report Date:
 08 Sep 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO6174 [WUSCAR] 05943860 (Generated: 09/08/2023 15:56:35) Rev: 1

Contact/Location: RANDY PRZEKURAT - VOLVO6174