CONSTRUCTION EQUIPMENT

[RAYMOND VP LTD] JOHN DEERE 50GX H13 (S/N 1FF050GXHHH286231) - Right |

Sample No: LH

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	LH	 	
Sample Date	09 Aug 2023	 	
Machine Hours	1459	 	
Oil Hours	0	 	
Oil Changed	N/A	 	
Sample Status	SEVERE	 	

Visc @ 40°C

cS

0 117

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Silicon	ppm	0 309			
Sodium	ppm	0 12			
Potassium	ppm	23			

WEA	R METALS	5		
PQ		0 561	 	
Iron	ppm	964	 	
Copper	ppm	04	 	
Lead	ppm	○ <1	 	
Tin	ppm	0	 	
Aluminum	ppm	<mark>)</mark> 81	 	
Chromium	ppm	<mark>()</mark> 16	 	
Molybdenum	ppm	2	 	
Nickel	ppm	6	 	
Titanium	ppm	4	 	
Silver	ppm	<1	 	
Manganese	ppm	12	 	
Vanadium	ppm	<1	 	

Calcium	ppm	414			
Magnesium	ppm	175			
Zinc	ppm	483			
Phosphorus	ppm	1032			
Barium	ppm	3			
Boron	ppm	49			



Raymond Vauclair Projects

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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 advise that you flush the component thoroughly before re-filling with oil. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.PQ levels are abnormal. Chromium and iron ppm levels are abnormal. Aluminum ppm levels are noted. Gear wear is indicated. The high ferrous density (PQ) index indicates that abnormal wear is occurring. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. High amount of ingressed dirt has caused abrasive wear to the component. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot:	RAY16SPR2
Unique No:	5629280
Signed:	Kevin Marson
Report Date:	17 Aug 2023

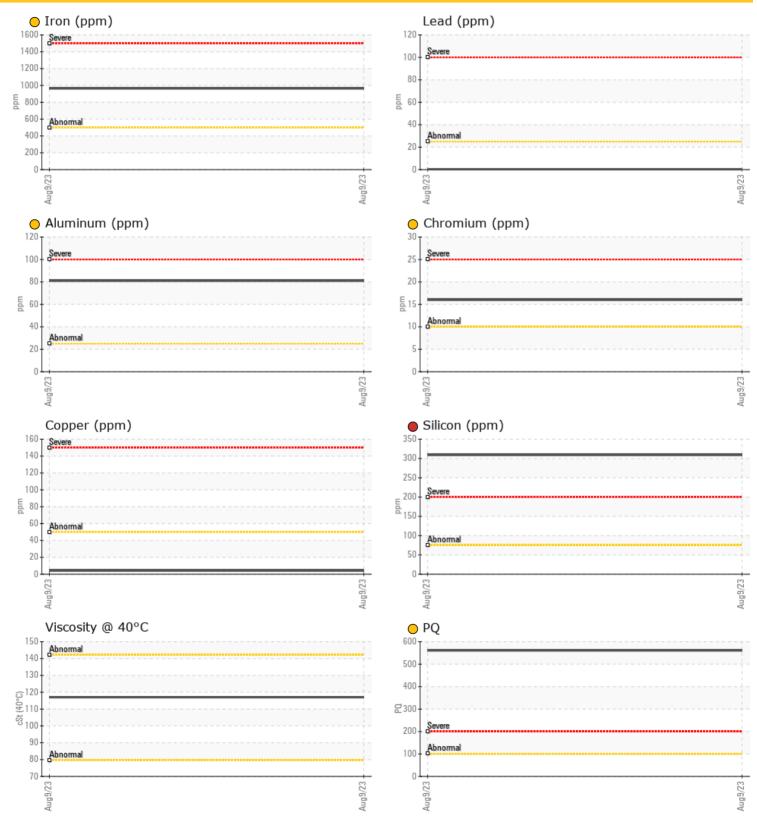
Contact/Location: Paul . - RAY16SPR2





GRAPHS

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Report Id: RAY16SPR2 [WCAMIS] 02576220 (Generated: 08/22/2023 15:19:44) Rev: 1

Contact/Location: Paul . - RAY16SPR2