

## **CONSTRUCTION EQUIPMENT** 316243 - HYDRAULIC SYSTEM



#### Sample No: VCP380231

#### Job No:

	INFORMATION	<u>.</u>					
Sample Number		VCP380231					
Sample Date		16 Jul 2023					
Machine Hours		500					
Oil Hours		500					
Oil Changed		Not Changd					
Sample Status		NORMAL					
Visc @ 40°C	cSt	42.7					
CONTAMINATION							
Particles >4µm	-	9743					
Particles >6µm		<b>1750</b>					
Particles >14µm		33					
ISO 4406:1999 (c)		20/18/12					
Silicon	ppm	<b>4</b>					
Sodium	ppm	∎1					
Potassium	ppm	<b>  </b> <1					
WEAR M	ETALS						
Iron	ppm	2					
Copper	ppm	<b>1</b> 9					
Lead	ppm	2					



#### GREAT WEST EQUIPMENT

1600 KOSMINA ROAD, 123 L&A CROSS RD VERNON, BC CA V1T 8T2 Contact: Garry Beach gbeach@gwequipment.com T: (250)549-4232 F: (250)549-3397

### Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

Copper	ppm	<b>19</b>						
Lead	ppm	2						
Tin	ppm	0						
Aluminum	ppm	<b>&lt;</b> 1						
Chromium	ppm	■ <1						
Molybdenum	ppm	0						
Nickel	ppm	■ <1						
Titanium	ppm	0						
Silver	ppm	0						
Manganese	ppm	0						
Vanadium	ppm	0						
ADDITIVES								
Calcium	ppm	98						
Magnesium	ppm	<b>■</b> <1						
7:		= = = + =						

Magnesium	ppm	■<1	 	
Zinc	ppm	546	 	
Phosphorus	ppm	<b>439</b>	 	
Barium	ppm	0	 	
Boron	ppm		 	

 Depot:
 MARVER

 Unique No:
 5607453

 Signed:
 Wes Davis

 Report Date:
 18 Jul 2023

# **CONSTRUCTION EQUIPMENT**



# GRAPHS

VOLVO

#### Ferrous Alloys Particle Count 10 <del>-</del> 491,520 **x** -26 iron 9 •• chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 ß Abnorma ppm E, 30,720 -22 15,360 -21 2 7.680 20 3,840 -19 0-1,920 -18 🛛 Jul16/23 (per 1 ml) Jul16/23 4406:1999 Cleanlines: 960 17 mber of particles Non-ferrous Metals 16 480 20 15 copper 240 18 m lead -14 6 tin 120 16 14 -13 60 12 30 -12 u d 10 15 -11 8 6 8 10 4 2 2 0 Jul16/23 Jul16/23 0**+** 4μ 21µ 38µ 14µ Viscosity @ 40°C 52 Abnormal 50 48 ₿ (10°05) tS2 44 42 Abnormal 40 38 Jul16/23 Jul16/23