## CONSTRUCTION EQUIPMENT GREEN CIRCLE DEMO KOBELCO SK350 YL 12-10154 - HYDRAULICS

Sample No:VCP433932Oil Type:AW HYDRAULIC OIL ISO 46Job No:GREEN CIRCLE DEMO

VOLVO

 Sample Number
 VCP433932
 -- -- 

 Sample Date
 30 Nov 2023
 -- -- 

 Machine Hours
 0
 -- -- 

 Oil Hours
 0
 -- -- 

 Oil Changed
 Not Changd
 -- -- 

 Sample Status
 ABNORMAL
 -- -- 

42.3

0.35

Visc @ 40°C cSt Acid Number (AN) mg KOH/g

CONTAMINATION NEG % Water 81300 Particles >4µm Particles >6µm **6** 5573 Particles >14µm 18 ISO 4406:1999 (c) 24/20/11 Silicon ppm 2 Sodium ppm 0 0 🔲 Potassium ppm

### 🎾 WEAR METALS

Iron	ppm	6	 	
Copper	ppm	<b>1</b>	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	0	 	
Chromium	ppm	□<1	 	
Molybdenum	ppm	<b>□</b> <1	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b>□</b> <1	 	
Vanadium	ppm	0	 	

VOLVO

Calcium	ppm	80						
Magnesium	ppm	<b>1</b> 4						
Zinc	ppm	276						
Phosphorus	ppm	242						
Barium	ppm	0						
Boron	ppm	2						



#### COWIN EQUIPMENT COMPANY

2238 PINSON VALLEY PARKWAY BIRMINGHAM, AL US 35217 Contact: BRANTLY CLAY bclay@cowin.com T: F: (205)856-2106

#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 VOLVO8528

 Unique No:
 10768148

 Signed:
 Jonathan Hester

 Report Date:
 06 Dec 2023

Report Id: VOLVO8528 [WUSCAR] 06023648 (Generated: 12/06/2023 13:44:47) Rev: 1

Contact/Location: BRANTLY CLAY - VOLVO8528

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO

#### Ferrous Alloys A Particle Count 10 <del>-</del> 491,520--26 iron 9 chromium 245,760 -25 •• nickel 8 122,880 -24 61,440 -23 ß ppm E, 30,720 -22 15,360 -21 2 7.680 -20 3,840 -19 Ω 1,920 -18 🛛 particles (per 1 ml) Nov30/23 Vov30/23 4406:1999 Cleanlines: 960 17 Non-ferrous Metals -16 480 10 ber of p 15 copper 240 q nan lead 14 Code • tin 120 8 -13 60 ß 30 -12 mdo 5 15 -11 3 10 8 ema 2 .9 2 -8 Ω Nov30/23 Nov30/23 21µ $14\mu$ 381 Viscosity @ 40°C Acid Number 52-1.00 T Abnormal Abnormal 0.90 50 0.80 48 (B/HO) 0.60 0.50 Wind KOH/B) 0.50 0.40 Ba (10°05) tS2 44 Acid 1 42 Abnormal 0.20 Abnormal 40 0.10 38 0.00-Nov30/23 Nov30/23 Nov30/23 Nov30/23

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