

Sample No: VCP441553

Oil Type: VOLVO SUPER HYDRAULIC OIL 46

Job No: 19871 TGP

SAMPLE INFORMATION					
Sample Number	CVMDLE	JEODMATION			
Sample Date	_	AF URMA HUN			_
Machine Hours 5406				 	
Oil Hours Oil Changed Sample Status NORMAL Oil CONDITION Visc @ 40°C	•		12 Oct 2023	 	
Oil Changed Sample Status NORMAL				 	
Sample Status	Oil Hours		0	 	
OIL CONDITION Visc @ 40°C	Oil Changed		Not Changd	 	
OIL CONDITION Visc @ 40°C cSt 42.8 Acid Number (AN) mg KOH/g 0.52 CONTAMINATION Particles >4µm 9 Particles >6µm 113 Particles >14µm 9 ISO 4406:1999 (c) 20/14/10 Sodium ppm 1 Sodium ppm 1 Sodium ppm 1 Potassium ppm 23 Copper ppm 28 Lead ppm 3 Tin ppm 3	Sample Status		NORMAL	 	
OIL CONDITION Visc @ 40°C cSt 42.8 Acid Number (AN) mg KOH/g 0.52 CONTAMINATION Particles >4µm 9 Particles >6µm 113 Particles >14µm 9 ISO 4406:1999 (c) 20/14/10 Sodium ppm 1 Sodium ppm 1 Sodium ppm 1 Potassium ppm 23 Copper ppm 28 Lead ppm 3 Tin ppm 3					
Acid Number (AN) mg KOH/g 0.52	OIL COND!	TION			
Particles > 4µm	Visc @ 40°C	cSt	42.8	 	
Particles > 4µm	Acid Number (AN)	mg KOH/g	■ 0.52	 	
Particles > 4µm					
Particles > 4µm	CUNTAMIN	IATION			
Particles > 6μm 113 Particles > 14μm 9 ISO 4406:1999 (c) 20/14/10 Sodium ppm 10 Sodium ppm 1 Potassium ppm 1 Potassium ppm 23 Copper ppm 28 Lead ppm <1	_	IATION			
Particles >14µm				 	
Solicon ppm 10	•			 	
Silicon ppm 10 Sodium ppm 1 Potassium ppm 1 Iron ppm 23 Copper ppm 28 Lead ppm <1				 	
Sodium				 	
WEAR METALS Iron ppm 23 Copper ppm 28 Lead ppm <1			_	 	
WEAR METALS Iron ppm 23 Copper ppm 28 Lead ppm <1		ppm	_	 	
WEAR METALS Iron ppm 23	Potassium	ppm	1	 	
WEAR METALS Iron ppm 23	VOLVO				
Copper ppm 28 </td <td>WEAR ME</td> <td>TALS</td> <th></th> <td></td> <td></td>	WEAR ME	TALS			
Lead ppm <1	Iron	ppm	■23	 	
Tin ppm <td>Copper</td> <td>ppm</td> <th>■28</th> <td> </td> <td></td>	Copper	ppm	■28	 	
Aluminum ppm 3 Chromium ppm 3 Molybdenum ppm 1 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm <-1	Lead	ppm	■ <1	 	
Chromium ppm 3 Molybdenum ppm 1 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm <-1	Tin	ppm	■ <1	 	
Molybdenum ppm 1 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm <1	Aluminum	ppm	■ 3	 	
Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm <1	Chromium	ppm	■ 3	 	
Titanium ppm 0 Silver ppm 0 Manganese ppm <1	Molybdenum	ppm	1	 	
Silver ppm 0 Manganese ppm =<1	Nickel	ppm	■0	 	
Manganese ppm	Titanium	ppm	0	 	
	Silver	ppm	0	 	
Vanadium ppm 0	Manganese	mag	■<1	 	
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Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid.

Depot:VOLVO8769Unique No:10701970Signed:Angela BorellaReport Date:23 Oct 2023

168

■80

0

-<1

■550 **■**408

ADDITIVES

ppm

ppm

ppm

ppm

ppm

ppm

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus



CONSTRUCTION EQUIPMENT





GRAPHS

