CONSTRUCTION EQUIPMENT 224923 ASH GROVE VOLVO L220H 3292 - HYDRAULIC SYSTEM

 Sample No:
 VCP426771

 Oil Type:
 NOT GIVEN

 Job No:
 224923 ASH GROVE

VOLVO

Sample Number VCP426771 Sample Date 21 Jun 2023 Machine Hours 6996 Oil Hours 0 Oil Changed Not Changd Sample Status ABNORMAL Visc @ 40°C CSt 41.0 Visc @ 40°C CSt 41.173 Sodium ppm 3 Sodium ppm 5	SAMPLE INFO	ORMATION				
Sample Date 21 Jun 2023 Machine Hours 6996 Oil Hours 0 Oil Changed Not Changd Sample Status ABNORMAL Visc @ 40°C C\$t 41.0 Acid Number (AN) mg KOH/g 0.43 CONTAMINATION Particles >4µm 11748 So 4406:1999 (c) 21/19/15 So 4406:1999 (c) 21/19/15 So 4406:1999 (c) Ppm 3 Sodium ppm 13 Sodium ppm 2	Sample Number		VCP426771			
Machine Hours 6996 Oil Hours 0 Oil Changed Not Changd Sample Status ABNORMAL Oil CONDITION Visc @ 40°C CSt 41.0 Acid Number (AN) mg KOH/g 0.43 Particles >4µm 11748 Particles >6µm A 2655 Iso 4406:1999 (c) 21/19/15 Sodium ppm 5 Sodium ppm 22 Sodium ppm 1 Sodium ppm 1<			21 Jun 2023			
Oil Changed Not Changed Sample Status ABNORMAL Visc @ 40°C C5t 41.0 Acid Number (AN) mg KOH/g 0.43 Acid Number (AN) mg KOH/g 0.43 Particles >4µm 11748 Particles >6µm 2655 Particles >6µm 2655 ISO 4406:1999 (c) 21/19/15 Sodium ppm 5 Sodium ppm 5 Vocco Pum 7 Sodium ppm 2 Copper ppm 0	Machine Hours					
Sample Status ABNORMAL Visc @ 40°C cSt ¶11.0 Acid Number (AN) mg KOH/g 0.43 Visc @ 40°C cSt ¶11748 Particles > 4µm 11748 Particles > 6µm 2655 Particles > 14µm 1173 SO 4406:1999 (c) 21/19/15 Sodium ppm 3 Sodium ppm 5 Sodium ppm 2 Visc WEAR METALS Iron ppm 0 Iron ppm 0 Iron ppm 1 <td>Oil Hours</td> <td></td> <td>0</td> <td></td> <td></td> <td></td>	Oil Hours		0			
Sample Status ABNORMAL Visc @ 40°C cSt ¶11.0 Acid Number (AN) mg KOH/g 0.43 Visc @ 40°C cSt ¶11.748 Particles > 4µm 11748 Particles > 6µm 2655 Particles > 14µm 1173 SO 4406:1999 (c) 21/19/15 Sodium ppm 3 Sodium ppm 5 Sodium ppm 2 Visc W KAR METALS Iron ppm 0 Lead ppm 0 <tr< td=""><td>Oil Changed</td><td></td><td>Not Changd</td><td></td><td></td><td></td></tr<>	Oil Changed		Not Changd			
Visc @ 40°C cSt 41.0 Acid Number (AN) mg KOH/g 0.43 Visc @ 40°C cSt 41.0 Acid Number (AN) mg KOH/g 0.43 Particles > 4µm 11748 Particles > 6µm 2655 Particles > 14µm 173 ISO 4406:1999 (c) 21/19/15 Sodium ppm 3 Sodium ppm 3 Visco Ppm 3 Sodium ppm 5 Potassium ppm 7 Lead	Sample Status					
OIL CONDITION Visc @ 40°C cSt ¶41.0 Acid Number (AN) mg KOH/g 0.43 CONTAMINATION Particles >4µm 11748 Particles >6µm A 2655 Particles >14µm 173 ISO 4406:1999 (c) 21/19/15 Sodium ppm 3 Sodium ppm 5 Visco wEAR METALS Iron ppm 0 Copper ppm 0 Lead <						
Visc @ 40°C cSt 41.0 Acid Number (AN) mg KOH/g 0.43 CONTAMINATION Particles >4µm 11748 Particles >6µm A 2655 Particles >14µm 173 ISO 4406:1999 (c) 21/19/15 Sodium ppm 3 Sodium ppm 5 Potassium ppm 2 Iron ppm 0 Iron ppm 0 Iron ppm 1 Iron ppm 0 Iron ppm 0 Iron <t< td=""><td></td><td>N</td><td></td><td></td><td></td><td></td></t<>		N				
Acid Number (AN) mg KOH/g 0.43 Particles >4µm 11748 Particles >6µm 2655 Particles >14µm 173 ISO 4406:1999 (c) 21/19/15 ISO 4406:1999 (c) 21/19/15 Sodium ppm 3 Sodium ppm 5 Veran ETALS Iron ppm 7 Copper ppm 0 Lead ppm 0 Aluminum ppm 1 Nickel ppm 0 Nickel ppm 0 Nickel ppm<				<u>.</u> .	-	
Version Version Particles >4µm 11748 Particles >6µm 2655 Particles >14µm 173 Particles >14µm 173 ISO 4406:1999 (c) 21/19/15 Sodium ppm 3 Sodium ppm 5 Potassium ppm <1			_			
CONTAMINATION Particles >4µm 11748 Particles >6µm 2655 Particles >14µm 173 ISO 4406:1999 (c) 21/19/15 Solicon ppm 3 Solium ppm 5 Veran ppm 7 Veran ppm 7 Copper ppm 0 Aluminum ppm 1 <t< td=""><td>Acid Number (AN) r</td><td>ng KOH/g</td><td>0.43</td><td></td><td></td><td></td></t<>	Acid Number (AN) r	ng KOH/g	0.43			
CONTAMINATION Particles >4µm 11748 Particles >6µm 2655 Particles >14µm 173 ISO 4406:1999 (c) 21/19/15 Solicon ppm 3 Solium ppm 5 Veran ppm 7 Veran ppm 7 Copper ppm 0 Aluminum ppm 1 <t< td=""><td>VOLVO</td><td></td><td></td><td></td><td></td><td></td></t<>	VOLVO					
Particles >4µm 11748 Particles >6µm 2655 Particles >14µm 173 ISO 4406:1999 (c) 21/19/15 Silicon ppm 3 Sodium ppm 5 Potassium ppm <1		TION				
Particles >6µm 2655 Particles >14µm 173 ISO 4406:1999 (c) 21/19/15 Solicon ppm 3 Solicon ppm 5 Potassium ppm <1			11748			
Particles >14µm 173 ISO 4406:1999 (c) 21/19/15 Solicon ppm 3 Solium ppm 5 Potassium ppm <10						
ISO 4406:1999 (c) 21/19/15 Solicon ppm 3 Solium ppm 5 Potassium ppm <1						
Siliconppm3Sodiumppm5Potassiumppm<1						
Sodium ppm 5 Potassium ppm <1		mac				
Potassium ppm <1 WEAR METALS WEAR METALS Iron ppm 7 Copper ppm 2 Lead ppm 0 Aluminum ppm <1 Aluminum ppm <1 Nickel ppm 0 Nickel ppm 0 Silver ppm 0 Manganese ppm <1						
WEAR METALS Iron ppm 7 Copper ppm 2 Lead ppm 0 Aluminum ppm <1						
WEAR METALS Iron ppm 7		phi				
Iron ppm 7 Copper ppm 2 Lead ppm 0 Tin ppm 0 Aluminum ppm <1						
Copper ppm 2 Lead ppm 0 Tin ppm 0 Aluminum ppm <1	🥪 WEAR META	LS				
Lead ppm 0 Tin ppm 0 Aluminum ppm <1	lron p	opm	7			
Tin ppm 0 Aluminum ppm <1	Copper p	opm	2			
Aluminum ppm <1	Lead p	opm	0			
Depm 1 Molybdenum ppm <1	Tin p	opm	0			
Molybdenum ppm <1 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm <1	Aluminum p	opm	■ <1			
Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm <1	Chromium p	opm	1			
Titanium ppm 0 Silver ppm 0 Manganese ppm <1		opm	<1			
Silver ppm 0 Manganese ppm <1	Nickel p	opm	0			
Manganese ppm <1	Titanium p	opm	0			
	Silver	opm	0			
Vanadium ppm 0	Manganese p	opm	<1			
	Vanadium p	opm	0			

ADDITIVES 52 Calcium ppm Magnesium 0 ppm 430 Zinc ppm 331 Phosphorus ppm 0 Barium ppm Boron ppm 0



PACWEST MACHINERY

8207 SOUTH 216TH STREET KENT, WA US 98032 Contact: DAN SLAGLE dslagle@pacwestmachinery.com T: (206)482-4179 F: (509)534-5286

Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot:	VOLVO1271
Unique No:	10539461
Signed:	Wes Davis
Report Date:	05 Jul 2023

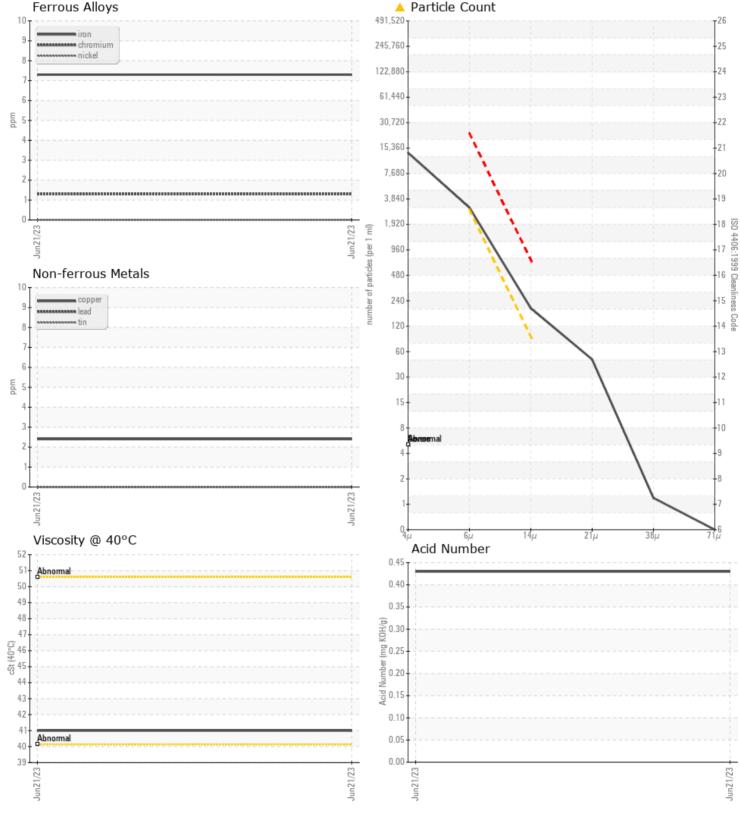
CONSTRUCTION EQUIPMENT



GRAPHS



VOLVO



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Contact/Location: DAN SLAGLE - VOLVO1271