

CONSTRUCTION EQUIPMENT JOHN DEERE HP 77 - HYDRAULIC SYSTEM



Sample No: VCP437774

Oil Type:	TRACTOR FLUID HYD 46
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Job No:

Sample Number	NFORMATION	VCP437774	 	
Sample Date		23 Jan 2024	 	
Machine Hours		2683	 	
Oil Hours		2000	 	
Oil Changed		Changed	 	
Sample Status		ATTENTION	 	
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OIL CONDI				
Visc @ 40°C	cSt	53.5	 	
Acid Number (AN)		1.27		
Acia Nalliber (AN)	ing KON/g	1.21	 	
<u> </u>			 	
Water	%	NEG	 	
Particles >4µm		9767	 	
Particles >6µm		209	 	
Particles >14µm		8	 	
ISO 4406:1999 (c)		20/15/10	 	
Silicon Sodium	ppm	3	 	
Potassium	ppm	□ 0 □ <1	 	
Polassium	ppm		 	
VOLVO				
VEAR ME	TALS			
Iron	ppm	2	 	
Copper	ppm	■ <1	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm	■<1	 	
Molybdenum	ppm	<1	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	
VOLVO			 	
	2			
Calcium	ppm	1679	 	
Magnesium	ppm	13	 	
Zinc	ppm	942	 	
	ppm	750	 	
Phosphorus				
Phosphorus Barium	ppm	0	 	

MITCHELL & STARK CONSTRUCTION CO 6001 Shirley St NAPLES, FL

JS 34109 Contact: SERVICE MANAGER

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Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot:MITNAPUnique No:10849421Signed:Don BaldridgeReport Date:30 Jan 2024

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

Ferrous Alloys Particle Count 10 - 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 🛛 Jan23/24 nber of particles (per 1 ml) Jan23/24 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 10 15 copper 240 q m lead -14 6 tin 120 8 -13 60 ß 30 12 mdo 5 15 -11 2 10 8 4 2 Ω Jan23/24 Jan23/24 0, 21µ 38µ 14µ Viscosity @ 40°C Acid Number 56 1.3 54 1.2 1.1 52 1.0 Abnormal (⁰,0.9 KOH/d 50 (J-048 (J-04) 46 Ë 0.7 Number 0.0 44 Pi2 0.4 0.3 42 0.2 40 - Abnormal 0.1 0.0 38 Jan23/24. Jan23/24 Jan23/24 Jan 23/24

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Contact/Location: SERVICE MANAGER - MITNAP