

CONSTRUCTION EQUIPMENT

SPM540534 MURRAY LAK TAKEUCHI TL 12R2 412105706 - HYDRAULIC SYSTE

Sample No: VCP411322

Oil Type: DIESEL ENGINE OIL SAE 10W30

Job No: SPM540534 MURRAY LAK

Sample Date	SAMPLE IN	IFORMATION					
Machine Hours 65	Sample Number		VCP411322				
Oil Hours	Sample Date		26 Apr 2023				
Oil Changed	Machine Hours		65				
Sample Status	Oil Hours		65				
OIL CONDITION Visc @ 40°C	Oil Changed		N/A				
OIL CONDITION Visc @ 40°C cSt 56.0 Acid Number (AN) mg KOH/g 1.07 CONTAMINATION Particles >4µm 15387 Particles >6µm 15387 Particles >14µm 16 ISO 4406:1999 (c) 24/21/11 Silicon ppm 8 Silicon ppm 0 Potassium ppm 0 VOLVO WEAR METALS Iron Iron ppm 0 Copper ppm 0 Lead ppm 0	Sample Status		ABNORMAL				
OIL CONDITION Visc @ 40°C cSt 56.0 Acid Number (AN) mg KOH/g 1.07 CONTAMINATION Particles >4µm 15387 Particles >6µm 15387 Particles >14µm 16 ISO 4406:1999 (c) 24/21/11 Silicon ppm 8 Silicon ppm 0 Potassium ppm 0 VOLVO WEAR METALS Iron Iron ppm 0 Copper ppm 0 Lead ppm 0							
Acid Number (AN) mg KOH/g 1.07	OIL CONDITION						
CONTAMINATION	Visc @ 40°C	cSt	56.0				
CONTAMINATION	Acid Number (AN)	mg KOH/g	1.07				
CONTAMINATION							
Particles > 4µm	CUNTAMIN	ATION					
Particles > 6µm	_	ATION	_				
Particles >14µm	·						
SO 4406:1999 (c) 24/21/11							
Silicon ppm 8 Sodium ppm -1 Potassium ppm 0 Iron ppm 6 Copper ppm 3 Lead ppm 0 Tin ppm 0 Aluminum ppm 1 Chromium ppm 0 Molybdenum ppm 13 Nickel ppm 0 Silver ppm 0 Manganese ppm 1			_				
Sodium							
WEAR METALS Iron ppm 6 Copper ppm 3 Lead ppm 0 Tin ppm 0 Aluminum ppm 1 Chromium ppm 0 Molybdenum ppm 13 Nickel ppm 0 Silver ppm 0 Manganese ppm 1		ppm					
WEAR METALS Iron ppm 6 Copper ppm 3 Lead ppm 0 Tin ppm 0 Aluminum ppm 1 Chromium ppm 0 Molybdenum ppm 13 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 1		ppm	_				
WEAR METALS Iron ppm 6	Potassium	ppm	0				
WEAR METALS Iron ppm 6							
Copper ppm 3 <td></td> <td>TALS</td> <td></td> <td></td> <td></td> <td></td>		TALS					
Lead ppm 0 Tin ppm 0 Aluminum ppm 1 Chromium ppm 0 Molybdenum ppm 13 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 1	Iron	ppm	6				
Tin ppm 0 Aluminum ppm 1 Chromium ppm 0 Molybdenum ppm 13 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 1	Copper	ppm	■ 3				
Aluminum ppm 1 Chromium ppm 0 Molybdenum ppm 13 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 1	Lead	ppm	0				
Chromium ppm 0 Molybdenum ppm 13 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 1	Tin	ppm	■ 0				
Molybdenum ppm 13 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 1	Aluminum	ppm	1				
Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 1	Chromium	ppm	■0				
Titanium ppm 0 Silver ppm 0 Manganese ppm 1	Molybdenum	ppm	13				
Silver ppm 0 Manganese ppm 1	Nickel	ppm	■0				
Manganese ppm 1	Titanium	ppm	0				
3 11 -	Silver	ppm	0				
Vanadium ppm <1	Manganese	ppm	1				
	Vanadium	ppm	<1				



ALTA CONSTRUCTION EQUIPMENT LLC

G-3283 S. DORT HIGHWAY BURTON, MI US 48529 Contact: BURTON SERVICE BURTON.SERVICE@ALTAEQUIPMENT.COM T:

Diagnosis

F:

No corrective action is recommended at this time. The filter 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 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:VOLVO5023Unique No:10455326Signed:Doug BogartReport Date:04 May 2023

3416

■0

0

18

■659

ADDITIVES

ppm

ppm

ppm

ppm

ppm

ppm

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus



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