

**WEAR** CONTAMINATION **FLUID CONDITION** 

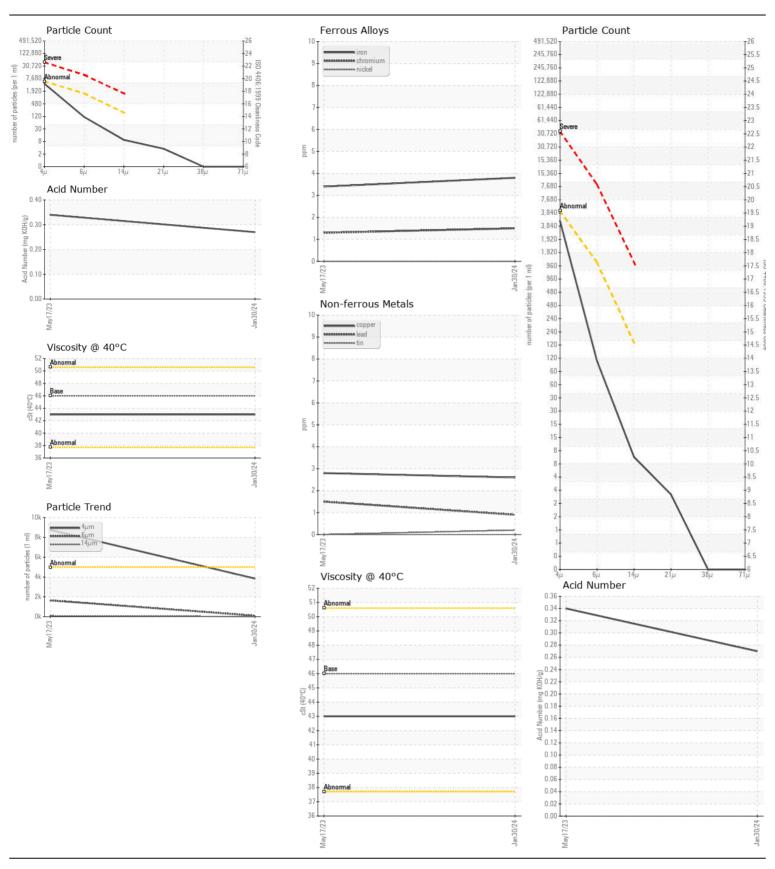
**NORMAL NORMAL NORMAL** 



## **VOLVO L180H 5444**

Component Hydraulic System

Test	UOM	Method	Limit/Abn	Current	History1	History
Sample Number		Client Info		VKC0001102	VKC0000730	
Sample Date		Client Info		30 Jan 2024	17 May 2023	
Machine Age	hrs	Client Info		6352	4856	
Oil Age	hrs	Client Info		2000	0	
Filter Age	hrs	Client Info		2000	0	
Oil Changed		Client Info		Changed	Not Changd	
Filter Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ATTENTION	
Iron	ppm	ASTM D5185m	>50	4	3	
Chromium	ppm	ASTM D5185m	>20	2	1	
Nickel		ASTM D5185m	>10	0	0	
Titanium		ASTM D5185m		<1	0	
Silver				0		
Aluminum			>20			
Lead						
			720			
			NONE	-	-	
Silicon	ppm	ASTM D5185m	>20	5	4	
Potassium	ppm	ASTM D5185m	>20	3	1	
Water		WC Method	>0.2	NEG	NEG	
Particles >4µm		ASTM D7647	>5000	3841	<b>8761</b>	
Particles >6µm		ASTM D7647	>1300	99	<b>1644</b>	
Particles >14µm		ASTM D7647	>160	8	90	
Particles >21µm				3	26	
		ASTM D7647	>10	0	1	
Particles >71µm		ASTM D7647	>3	0	0	
		ISO 4406 (c)	>19/17/14	19/14/10	<b>2</b> 0/18/14	
	scalar	\ /				
- '						
			>0.2	NEG	NEG	
Sodium	nnm	ASTM D5185m		1	0	
			14			
•						
J						
ZIIIC	phili					
Culfur	nnm					
Sulfur Acid Number (AN)	ppm mg KOH/g	ASTM D5185m ASTM D8045	3/19	927 0.27	983 0.34	
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status  Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal  Silicon Potassium Water Particles >4µm Particles >5µm Particles >14µm Particles >71µm Particles >38µm Particles >71µm Oil Cleanliness Silt Debris Sand/Dirt Appearance Odor	Sample Number Sample Date Machine Age Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status  Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Water Particles >6µm Particles >14µm Particles >14µm Particles >38µm Particles >71µm Oil Cleanliness Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Manganese ppm Magnesium ppm Calcium ppm Calcium ppm Phosphorus Ppm Phosphorus	Sample Number Sample Date Machine Age Oil Age hrs Client Info ASTM D5185m ASTM D5185m ASTM D5185m Phosphorus Client Info Client Info Client Info Client Info Clien	Sample Number         Client Info           Sample Date         Client Info           Machine Age         hrs         Client Info           Oil Age         hrs         Client Info           Filter Age         hrs         Client Info           Oil Changed         Client Info           Filter Changed         Client Info           Sample Status         Silver         Sample Status           Iron         ppm         ASTM D5185m         >50           Chromium         ppm         ASTM D5185m         >20           Nickel         ppm         ASTM D5185m         >20           Nickel         ppm         ASTM D5185m         >20           Nickel         ppm         ASTM D5185m         >20           Lead         ppm         ASTM D5185m         >20           Lead         ppm         ASTM D5185m         >20           Copper         ppm         ASTM D5185m         >20           Vanadium         ppm         ASTM D5185m         >20           Vanadium         ppm         ASTM D5185m         >20           Valual         NONE         NONE           Silicon         ppm         ASTM D5185m         >20     <	Sample Number   Client Info   Sample Date   Client Info   30 Jan 2024	Sample Number   Client Info   WKC0001102   VKC000730   Sample Date   Client Info   30 Jan 2024   17 May 2023   4856   Oil Age   hrs   Client Info   2000   0   Oil Changed   Client Info   2000   Oil Changed   Client Info   Changed   NORMAL   ATTENTION





Certificate L2367

Report Id: GWVKAN [WUSCAR] 06088114 (Generated: 02/14/2024 15:29:42) Rev: 1

Laboratory Sample No.

: VKC0001102 Lab Number : 06088114 Unique Number: 10875559 Test Package : MOBCE

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 Feb 2024 : 14 Feb 2024 **Tested** 

: 14 Feb 2024 - Wes Davis Diagnosed

**GW VAN KEPPEL CO** 1801 NORTH 9TH ST KANSAS CITY, KS US 66110 Contact: PAT SAUSE psause@vankeppel.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: PAT SAUSE - GWVKAN

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