

# **CONSTRUCTION EQUIPMENT** VOLVO ECR145EL 311251 - HYDRAULIC SYSTEM



#### VCP423432 Sample No:

Job No:

VOLVO				
SAMPLE IN	FORMATION			
Sample Number	-	VCP423432	VCP374607	 
Sample Date		20 Jun 2023	13 Jun 2022	 
Machine Hours		2299	1890	 
Oil Hours		0	1500	 
Oil Changed		Not Changd	Changed	 
Sample Status		NORMAL	NORMAL	 
OIL CONDI				
				-
visc @ 40°C	cSt	45.1	44.0	 
Acid Number (AN)	mg KOH/g	0.24	0.60	 
VOLVO				 
CONTAMIN	IATION			
Particles >4µm		14545	783	 
Particles >6µm		4629	143	 
Particles >14µm		262	9	 
SO 4406:1999 (c)		21/19/15	17/14/10	 
Silicon	ppm	3	4	 
Sodium	ppm	<b>□</b> <1	0	 
Potassium	ppm	0	<1	 
	le le			
VOLVO				
	TAIC			
WEAR ME	TALS			
ron	ppm	9	6	 
<u> </u>		<b>16</b>	28	 
ron Copper _ead	ppm	■16 ■0		
ron Copper Lead Fin	ppm ppm	<b>16</b>	28	 
ron Copper _ead	ppm ppm ppm	□ 16 □ 0 □ 0 □ <1	28 1 <1 <1 <1	 
ron Copper Lead Tin Aluminum Chromium	ppm ppm ppm ppm	□ 16 □ 0 □ 0	28 1 <1 <1 <1 0	 
ron Copper Lead Tin Aluminum Chromium Molybdenum	ppm ppm ppm ppm ppm	□ 16 □ 0 □ 0 □ <1	28 1 <1 <1 <1	    
ron Copper Lead Fin Aluminum Chromium Molybdenum Nickel	ppm ppm ppm ppm ppm	□ 16 □ 0 □ 0 □ <1 □ 0	28 1 <1 <1 <1 0	       
ron Copper Lead Fin Aluminum Chromium Molybdenum Nickel Fitanium	ppm ppm ppm ppm ppm ppm	16 0 0 <1 0 <1 0 <1 0 0 0 0	28 1 <1 <1 0 0 0	   
ron Copper Lead Tin Aluminum Chromium Molybdenum Nickel Titanium Silver	ppm ppm ppm ppm ppm ppm ppm	16 0 0 <1 0 <1 0 <1 0 0 0 0	28 1 <1 <1 0 0 0 0 0 0	      Image: Section of the sectio
ron Copper Lead Fin Aluminum Chromium Molybdenum Nickel Fitanium Silver	ppm ppm ppm ppm ppm ppm ppm ppm	16 0 0 <1 0 <1 0 <1 0 0 0 0	28 1 <1 <1 0 0 0 0 <1 0 0 0 <1 0 0 0 0 0 0 0 0 0 0 0 0 0	
ron Copper Lead Tin Aluminum Chromium Chromium Molybdenum Vickel Titanium Silver Manganese Vanadium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	16 0 0 <1 0 <1 0 <1 0 0 0 0	28 1 <1 <1 0 0 0 0 0 <1 <1 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Image:
ron Copper Lead Tin Aluminum Chromium Molybdenum Nickel Titanium Silver Manganese Vanadium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	16 0 0 <1 0 <1 0 <1 0 0 0 0 0	28 1 <1 <1 0 0 0 0 <1 0 0 0 <1 0 0 0 0 0 0 0 0 0 0 0 0 0	
ron Copper Lead Tin Aluminum Chromium Molybdenum Nickel Titanium Silver Manganese Vanadium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	16 0 0 <1 0 <1 0 <1 0 0 0 0 0	28 1 <1 <1 0 0 0 0 <1 0 0 0 <1 0 0 0 0 0 0 0 0 0 0 0 0 0	
ron Copper Lead Tin Aluminum Chromium Molybdenum Molybdenum Nickel Titanium Silver Manganese Vanadium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	□ 16 □ 0 □ 0 □ <1 □ 0 □ <1 □ 0 □ 0 □ 0 <1	28 1 <1 <1 0 0 0 0 <1 0 0 0 0 0 0 0 0 0 0 0 0 0	
ron Copper Lead Tin Aluminum Chromium Molybdenum Vickel Titanium Silver Manganese Vanadium Calcium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	□ 16 □ 0 □ 0 □ < 1 □ 0 □ < 1 □ 0 0 0 0 0 < 1 □ 76	28 1 <1 <1 0 0 0 0 <1 0 0 1 123	
ron Copper Lead Tin Aluminum Chromium Molybdenum Vickel Titanium Silver Manganese Vanadium Calcium Calcium Magnesium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	□ 16 □ 0 □ 0 □ < 1 □ 0 □ < 1 □ 0 0 0 0 0 < 1 ○ 0 0 < 1 ○ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	28 1 <1 <1 0 0 0 0 <1 0 0 1 2 123 2	Image: Section of the section of t
ron Copper Lead Tin Aluminum Chromium Molybdenum Vickel Titanium Silver Manganese Vanadium Calcium Calcium Magnesium Zinc	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	□ 16 □ 0 □ 0 □ <1 □ 0 □ <1 □ 0 0 0 0 0 <1 □ 0 0 <1 □ 0 0 0 0 3 □ 436	28 1 <1 <1 0 0 0 0 <1 0 0 0 123 2 583	
ron Copper Lead Tin Aluminum Chromium Molybdenum Vickel Titanium Silver Manganese Vanadium Calcium Magnesium Zalcium Magnesium Zinc Phosphorus	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	□ 16 □ 0 □ 0 □ <1 □ 0 □ <1 □ 0 □ 0 □ 0 □ 0 □ 0 □ 1 □ 0 □ 0 □ 1 □ 0 □ 0 □ 0 □ 1 □ 0 □ 0 □ 0 □ 1 □ 0 □ 0 □ 0 □ 1 □ 0 □ 0 □ 0 □ 0 □ 0 □ 0 □ 0 □ 0 □ 0 □ 0	28 1 <1 <1 0 0 0 0 <1 0 0 0 123 2 583 469	
ron Copper Lead Fin Aluminum Chromium Molybdenum Vickel Fitanium Silver Manganese Vanadium Calcium Calcium Magnesium Zinc	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	□ 16 □ 0 □ 0 □ <1 □ 0 □ <1 □ 0 0 0 0 0 <1 □ 0 0 <1 □ 0 0 0 3 □ 436	28 1 <1 <1 0 0 0 0 <1 0 0 0 123 2 583	



### AND ASSOCIATES

**FISHER AVENUE** A, FL 619 ct: ROBERT TURNER r@ripatampa.com

## nosis

nple at the next service interval nitor.All component wear rates ormal. The system cleanliness is table for your target ISO 4406 iness code. The system and leanliness is acceptable. The vel is acceptable for this fluid. ondition of the oil is suitable for r service.

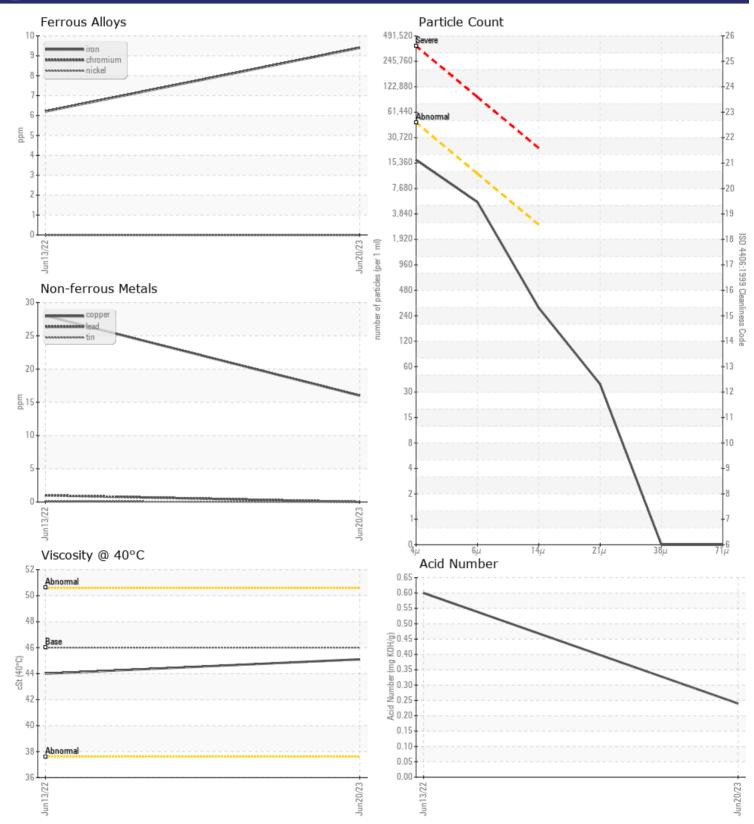
#### Depot: RIPTAM Unique No: 10551886 Signed: Wes Davis Report Date: 13 Jul 2023

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: RIPTAM [WUSCAR] 05896076 (Generated: 07/13/2023 11:19:37) Rev: 1

Contact/Location: ROBERT TURNER - RIPTAM