

CONSTRUCTION EQUIPMENT VOLVO ECR235E 315168 - REAR RIGHT FINAL DRIVE



Sample No: VCP408458

Oil Type:	
-----------	--

: VOLVO PREMIUM GEAR OIL 80W-90 GL-5

Job No:

Machine Hours 927 Oil Hours 500 Oil Changed Sample Status NORMAL Visc @ 40°C CSt 174 Visc @ 40°C CSt 174 Visc @ 40°C CSt 174 Sodium ppm 18 Sodium ppm 14 Yours Verantersus Verantersus Verantersus Verantersus Verantersus					
Sample Date 22 Jun 2023 Machine Hours 927 Oil Hours 500 Oil Changed Changed Sample Status NORMAL Visc @ 40°C c St 174 Visc @ 40°C c St 174 Sodium ppm 18 Sodium ppm 14 Sodium ppm 162 Visc @ 40°C visc 162 Iron ppm 162 Iron ppm 0 Iron ppm 0		E INFORMATION			
Sample Date 22 Jun 2023 Machine Hours 927 Oil Hours 500 Oil Changed Changed Sample Status NORMAL Visc @ 40°C cSt 174 Sodium ppm 18 Sodium ppm 162 Copper ppm 162 Itaninum ppm <td>Sample Number</td> <td></td> <td>VCP408458</td> <td> </td> <td></td>	Sample Number		VCP408458	 	
Oil Hours 500 Oil Changed Changed Sample Status NORMAL Visc @ 40°C cSt 174 Visc @ 40°C cSt 174 Visc @ 40°C cSt 174 CONTAMINATION Sodium ppm <1	Sample Date		22 Jun 2023	 	
Oil Changed Changed Sample Status NORMAL OIL CONDITION Visc @ 40°C cSt 174 CONTAMINATION Silcon ppm 18 Sodium ppm 4 Sodium ppm 4 Verse WEAR METALS Iron ppm 162 Copper ppm <1	Machine Hours		927	 	
Sample Status NORMAL OIL CONDITION Visc @ 40°C cSt 174 CONTAMINATION Sodium ppm 18 Sodium ppm 4 Potassium ppm 162 Visc @ 40°C ppm 162 Potassium ppm 162 Visc @ 40°C ppm 0 Visc @ 40°C ppm 162 Solum ppm 0 Copper ppm 0 Aluminum ppm 0	Oil Hours		500	 	
Visc @ 40°C CSt 174 CONTAMINATION Sodium ppm 18 Sodium ppm <1	Oil Changed		Changed	 	
OIL CONDITION Visc @ 40°C cSt 174 CONTAMINATION Silicon ppm 18 Sodium ppm 14 Visc @ A0°C cSt 18 Sodium ppm 18 Sodium ppm 14 WEAR METALS Iron ppm 162 Lead ppm 0 Aluminum ppm 0 Molybdenum ppm 0 Nickel ppm 0 Nickel ppm 0	Sample Status		NORMAL	 	
OIL CONDITION Visc @ 40°C cSt 174 CONTAMINATION Solium ppm 18 Solium ppm 14 Potassium ppm 162 Copper ppm 162 Copper ppm 162 Lead ppm 0 Aluminum ppm 0 Aluminum ppm 0 Nickel ppm 1 Nickel ppm 1 Nickel ppm 0 Nickel ppm 0 Nickel ppm 0 Vanadium ppm 0					
Silicon ppm 18 Sodium ppm <1	OIL CON	DITION			
Silicon ppm 18 Sodium ppm 4 Potassium ppm 4 WEAR METALS Iron ppm 162 Copper ppm <1	Visc @ 40°C	cSt	174	 	
CONTAMINATION Silicon ppm 18 Sodium ppm <1			—		
Silicon ppm 18 Sodium ppm 4 Potassium ppm 4 Potassium ppm 4 Verant Metals Verant Metals Copper ppm 162 Lead ppm -11 Aluminum ppm 0 Aluminum ppm 0 Molybdenum ppm 0 Nickel ppm 0 Silver ppm 0 Vanadium	VOLVO				
Sodium ppm <1		MINATION			
Potassium ppm 4 WEAR METALS Iron ppm 162 Copper ppm <11 Lead ppm <1 Aluminum ppm 0 Aluminum ppm 0 Kekel ppm 0 Nickel ppm <1 Silver ppm 0 Vanadium ppm 5 Vanadium ppm 9 Calcium ppm 9 Calcium ppm 10				 	
WEAR METALS Iron ppm 162 Copper ppm <1	Sodium			 	
WEAR METALS Iron ppm 162 Copper ppm <1	Potassium	ppm	4	 	
WEAR METALS Iron ppm 162 Copper ppm <1					
Copper ppm <1 Lead ppm <1	WEAR N	METALS			
Lead ppm <1	Iron	ppm	162	 	
Tin ppm 0 Aluminum ppm 0 Chromium ppm 6 Molybdenum ppm 0 Nickel ppm <1	Copper	ppm		 	
Aluminumppm0Chromiumppm0Molybdenumppm0Nickelppm<1	Lead	ppm	■ <1	 	
Chromium ppm 6 Molybdenum ppm 0 Nickel ppm <1 Titanium ppm <1	Tin	ppm	0	 	
Molybdenum ppm 0 Nickel ppm <1	Aluminum	ppm	0	 	
Nickel ppm <1 Titanium ppm <1	Chromium	ppm		 	
Titanium ppm <1 Silver ppm 0 Manganese ppm 5 Vanadium ppm 0 Vanadium ppm 0 ADDITIVES Calcium ppm 9 Magnesium ppm 10 Phosphorus ppm 284 Barium ppm 2		ppm	0	 	
Silver ppm 0 Manganese ppm 5 Vanadium ppm 0 ADDITIVES Calcium ppm 9 Magnesium ppm <11 Zinc ppm 10 Phosphorus ppm 284 Barium ppm 2	Nickel	ppm	<1	 	
Manganese ppm 5 Vanadium ppm 0 ADDITIVES Calcium ppm 9 Magnesium ppm 10 Zinc ppm 284 Barium ppm 2	Titanium	ppm	<1	 	
Vanadium ppm 0 ADDITIVES Calcium ppm 9 Magnesium ppm <1 Zinc ppm 10 Phosphorus ppm 284 Barium ppm 2	Silver	ppm	0	 	
ADDITIVESCalciumppm9Magnesiumppm<1Zincppm10Phosphorusppm284Bariumppm2	Manganese	ppm	5	 	
ADDITIVES Calcium ppm 9 Magnesium ppm <1	Vanadium	ppm	0	 	
ADDITIVES Calcium ppm 9 Magnesium ppm <1 Zinc ppm 10 Phosphorus ppm 284 Barium ppm 2					
Magnesium ppm <1 Zinc ppm 10 Phosphorus ppm 284 Barium ppm 2		VES			
Magnesium ppm <1 Zinc ppm 10 Phosphorus ppm 284 Barium ppm 2	Calcium	maa	9	 	
Zinc ppm 10 Phosphorus ppm 284 Barium ppm 2				 	
Phosphorus ppm 284 Barium ppm 2				 	
Barium ppm 2				 	
	Boron	ppm	0	 	



McClung-Logan Virginia LLC

112 HOLLAND BLVD CHESAPEAKE, VA JS 23323 Contact: TOMMY GRIFFIN griffin@mcclung-logan.com F: (757)485-3314 F: (757)485-3415

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

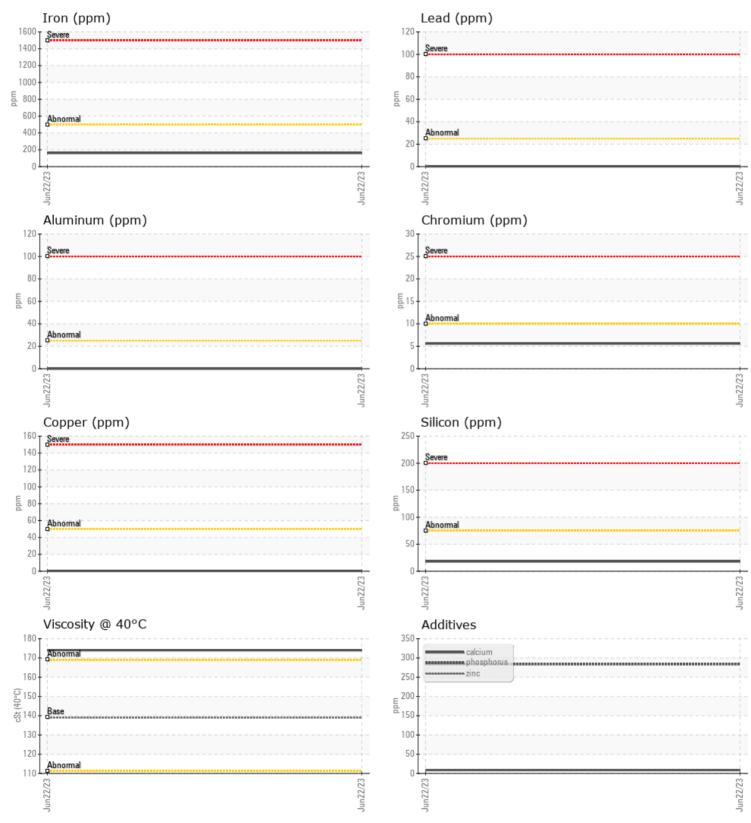
Depot:	VOLVO0264
Unique No:	10537431
Signed:	Don Baldridge
Report Date:	03 Jul 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0264 [WUSCAR] 05886948 (Generated: 07/03/2023 14:56:20) Rev: 1

Contact/Location: TOMMY GRIFFIN - VOLVO0264