CONSTRUCTION EQUIPMENT VOLVO EC350 314351 - REAR LEFT FINAL DRIVE 25372



VOLVO

Oil Type:	VOLVO SUPER GEAR OIL 75W-80-GO102
Job No:	25372

SAMPLE INFORMATIO

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Sample Number		VCP447670	VCP404625	
Sample Date		08 May 2024	30 Jun 2023	
Machine Hours		3037	1914	
Oil Hours		0	2000	
Oil Changed		Not Changd	Changed	
Sample Status		SEVERE	SEVERE	
OIL CON	DITION			
Visc @ 40°C	cSt	70.6	184	
CONTA	MINATION			
Water	%	0.358	NEG	
Silicon	ppm	▲ 285	▲ 382	
Sodium	ppm	205	2	
Potassium	ppm	1	3	
- Classian	PPIII	•		
WEAR I	METALS			
Iron	ppm	2829	1 338	
Copper	ppm	4	2	
Lead	ppm	0	0	
Tin	ppm	0	<1	
Aluminum	ppm	938	48	
Chromium	ppm	▲ 33	▲ 32	
Molybdenum	ppm	4	3	
Nickel	ppm	2	2	
Titanium	ppm	5	6	
Silver	ppm	0	0	
Manganese	ppm	1 8	15	
Vanadium	ppm	<1	<1	
ADDITI	VES			
Calcium	ppm	40	13	
Magnesium	ppm	 <1	3	
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2

291

< 1

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218 - ASCENDUM MACHINERY INC - N. CHARLESTON

7235 CROSS COUNTRY RD. NORTH CHARLESTON, SC US 29418 Contact: MATT MITCHAM matt.mitcham@ascendummachinery.com T: F: (843)414-1129

Diagnosis

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO3387 Unique No: 11030476 Signed: Sean Felton Report Date: 16 May 2024 Contact/Location: MATT MITCHAM - VOLVO3387

53

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101

1654

ppm

ppm

ppm

ppm

Zinc

Barium

Boron

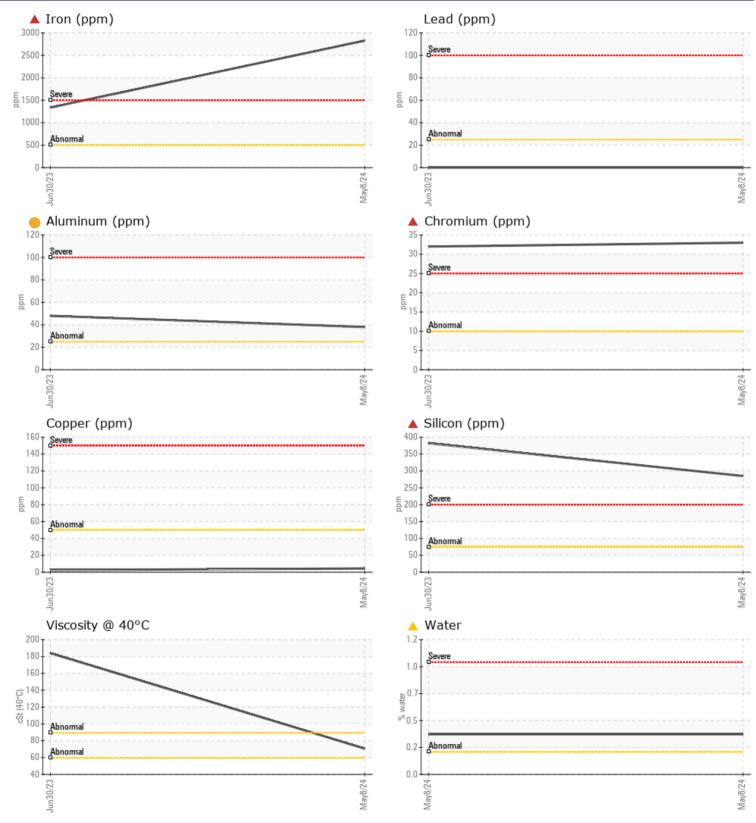
Phosphorus

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO3387 [WUSCAR] 06179150 (Generated: 05/16/2024 15:17:23) Rev: 1

Contact/Location: MATT MITCHAM - VOLVO3387