

# **CONSTRUCTION EQUIPMENT** VOLVO EC350EL 314600 - DIESEL ENGINE



### Sample No: VCP451101

Oil Type:

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

#### Job No:

VOLVO				 
SAMPLE IN	FORMATION			
Sample Number	-	VCP451101	VCP436589	 
Sample Date		08 Jul 2024	19 Feb 2024	 
Machine Hours		1667	764	 
Oil Hours		0	0	 
Oil Changed		Changed	Changed	 
Sample Status		MARGINAL	ABNORMAL	 
OIL CONDI	TION			
Visc @ 100°C	cSt	<b>12.1</b>	10.6	 
Base Number (BN)	mg KOH/g	6.7	8.9	 
Oxidation (PA)	%	89	78	 
	,0		, 0	
	-	NEC	NEC	
Water	%	NEG	NEG	 
Soot %	%	■0.1 82	<b>0.5</b>	 
Nitration (PA)		64	62	 
Sulfation (PA)	%			 
Glycol Fuel	%	NEG <1.0	NEG	 
Fuei Silicon			0.8	 
Silicon Sodium	ppm	8	<b>2</b> 1	 
	ppm	<b>4</b>		
Potassium	ppm	3	□ <1	 
VOLVO				
VEAR ME	TALS			 
Iron	ppm	8	11	 
Copper	ppm	37	▲ 252	 
Lead	ppm	■<1	3	 
Tin	ppm	<b>1</b>	1	 
Aluminum	ppm	<b>1</b>	2	 
Chromium	ppm	0	0	 
Molybdenum	ppm	<b>46</b>	82	 
Nickel	ppm	0	<b></b> <1	 
Titanium	ppm	0	0	 
Silver	ppm	0	0	 
Manganese	ppm	<b></b> <1	2	 
Vanadium	ppm	0	0	 
Calcium	ppm	<b>1748</b>	2062	 
Magnesium	ppm	420	161	 
Zinc	ppm	1086	1279	 
Phosphorus	ppm	843	1025	 
Barium	ppm	0	0	 
Boron	ppm	28	15	 
001011	ppm	20		 

#### ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

## Diagnosis

Oil and 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 no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

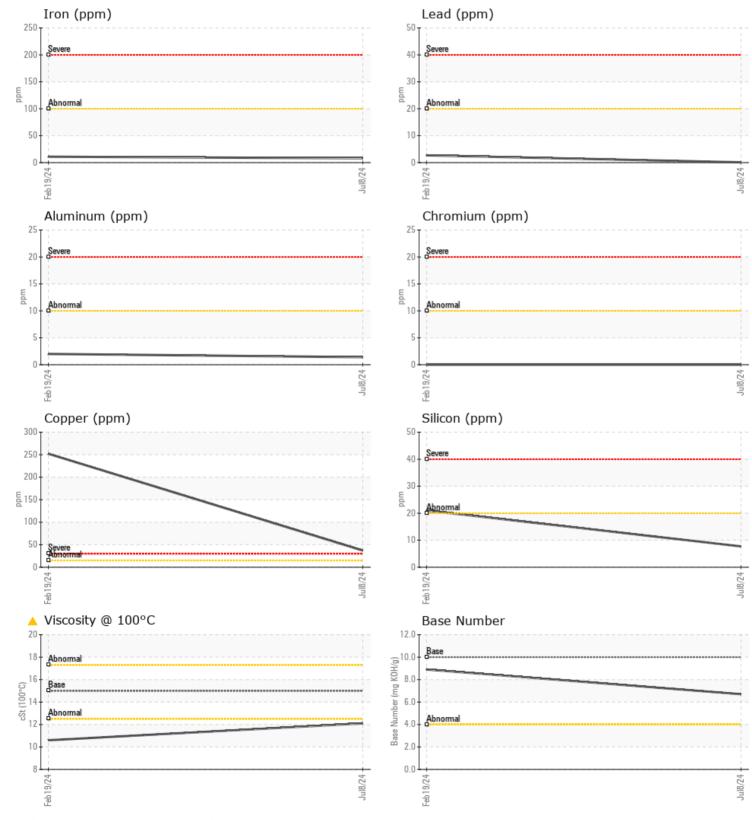
VOLVO0090

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO0090 [WUSCAR] 06231907 (Generated: 07/10/2024 15:29:48) Rev: 1

Contact/Location: TODD LARK - VOLVO0090