CONSTRUCTION EQUIPMENT 24833 VOLVO DD70HF 275083 - DIESEL ENGINE



 Sample No:
 VCP441240

 Oil Type:
 VOLVO ULT

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3



24833

SAMPLE INFORMATION

Sample Number	-	VCP441240	VCP133111				
Sample Date		29 Jan 2024	25 May 2012				
Machine Hours		5033	727				
Oil Hours		0	0				
Oil Changed		Changed	Changed				
Sample Status		NORMAL	NORMAL				
OIL CONDI							
			_				
Visc @ 100°C	cSt	11.9	13.7				
Base Number (BN)	mg KOH/g	9.7					
Oxidation (PA)	%	83	4				
CONTAMINATION							
Water	%	NEG	NEG				
Soot %	%	0.2	0				
Nitration (PA)	%	73	8				
Sulfation (PA)	%	63	8				
Glycol	%	NEG	NEG				
Fuel	%	4.5	< 1.0				
Silicon	ppm	12	3				
Sodium	ppm	3	6				
Potassium	ppm	0	1				

OLVO

WEAR METALS							
Iron	ppm	51	4				
Copper	ppm	2	<1				
Lead	ppm	0	3				
Tin	ppm	□ <1	0				
Aluminum	ppm	9	2				
Chromium	ppm	2	<1				
Molybdenum	ppm	48	42				
Nickel	ppm	0	0				
Titanium	ppm	0	 <1				
Silver	ppm	0	0				
Manganese	ppm	□<1	 < 1				
Vanadium	ppm	0	0				

ADDITIVES							
Calcium	ppm	1783	1347				
Magnesium	ppm	564	849				
Zinc	ppm	1188	1068				
Phosphorus	ppm	993	1010				
Barium	ppm	0	0				
Boron	ppm	69	55				



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

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VOLVO3387

 Unique No:
 10861611

 Signed:
 Wes Davis

 Report Date:
 07 Feb 2024

Report Id: VOLVO3387 [WUSCAR] 06079520 (Generated: 02/07/2024 10:46:23) Rev: 1

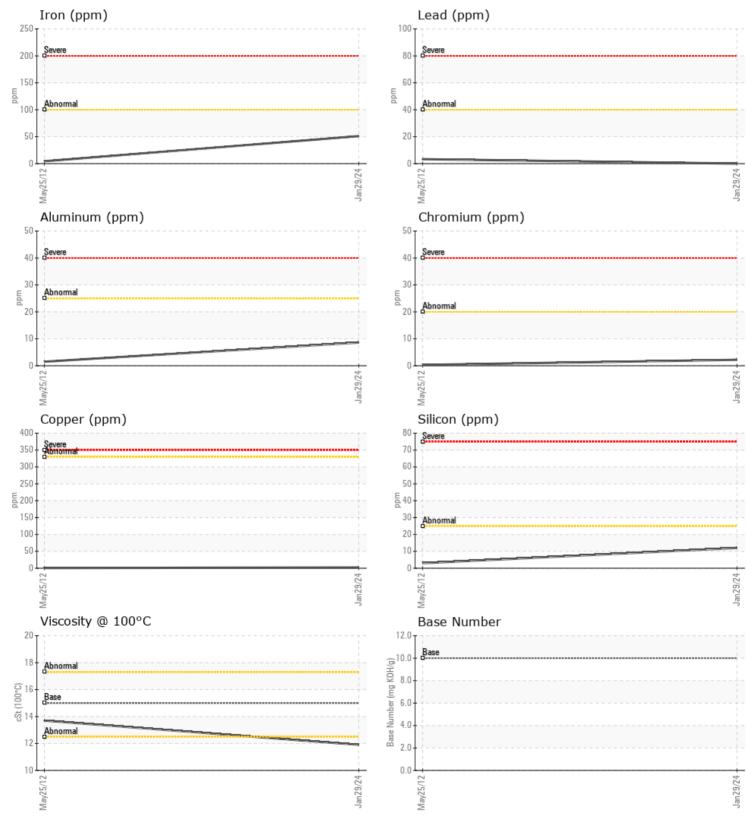
Contact/Location: MATT MITCHAM - VOLVO3387

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO3387 [WUSCAR] 06079520 (Generated: 02/07/2024 10:46:26) Rev: 1

Contact/Location: MATT MITCHAM - VOLVO3387