

CONSTRUCTION EQUIPMENT

619686 IHFT SENNEBOGEN 830R 2296 - DIESEL ENGINE



Sample No: VCP431175

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: 619686 IHFT

SAMPLE II	NFORMATION				
Sample Number		VCP431175	VCP399391		
Sample Date		05 Dec 2023	09 Feb 2023		
Machine Hours		2444	619		
Oil Hours		500	500		
Oil Changed		Changed	Changed		
Sample Status		SEVERE	NORMAL		
VOLVO					
OIL CONDI	TION				
Visc @ 100°C	cSt	18.1	13.5		
Base Number (BN)	mg KOH/g	△ 0.0	□7.6		
Oxidation (PA)	%	180	68		
VOLVO	IATION.				
CONTAMI	NATIUN	<u> </u>			
Water	%	NEG	NEG		
Soot %	%	7.3	□ 0.3		
Nitration (PA)	%	222	83		
Sulfation (PA)	%	127	56		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	<1.0		
Silicon	ppm	■8	4		
Sodium	ppm	1	_2		
Potassium	ppm	5	2		
WEAR ME	TALC				
	IMF2				
Iron	ppm	■72	■23		
Copper	ppm	■3	1		
Lead	ppm	■0	< 1		
Tin	ppm	■0	- <1		
Aluminum	ppm	6	4		
Chromium	ppm	■2	 <1		
Molybdenum	ppm	■ 89	7 0		
Nickel	ppm	■ <1	0		
Titanium	ppm	<1	0		
Silver	ppm	■0	0		
Manganese	ppm	■0	< 1		
Vanadium	ppm	0	0		
ADDITIVES					
Calcium	ppm	1724	1 491		
Magnesium	ppm	752	743		
Zinc	ppm	1446	1 361		
Phosphorus	ppm	1193	1067		

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ALTA EQUIPMENT COMPANY - METRO WEST 56195 PONTIAC TRAIL NEW HUDSON, MI US 48165 Contact: PAUL CONZ paul.conz@altg.com T: (313)348-8861 F: (248)356-2029

Diagnosis

We advise that you check for faulty combustion, plugged air filters, or aftercoolers. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. NOTE: High solids (carbon/soot) in the sample have limited the accuracy of Infra-Red data including Total Base Number (TBN) value.All component wear rates are normal. There is an abnormal amount of solids and carbon present in the oil. The oil viscosity is higher than normal. The BN level is low. The oil is no longer serviceable.

Depot:VOLVO2990Unique No:10778860Signed:Don BaldridgeReport Date:11 Dec 2023

ppm

ppm

Barium

Boron

3



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