



SUSAN EIDE DILLON KOHLER 2113573 - GENSET

Sample No: VPA060503

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

SAMPLE INFORMAT	TION			
Sample Number		VPA060503	VPA047474	
Sample Date		23 Feb 2024	14 Mar 2022	
Machine Hours		819	797	
Oil Hours		0	0	
Oil Changed		Changed	N/A	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	■13.1	13.4	
Base Number (BN)		■ 10.2	9.5	
Oxidation (PA)	%	55	60	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	■ 0	□ 0.1	
Nitration (PA)	%	38	65	
Sulfation (PA)	%	50	55	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	7	6	
Sodium	ppm	2	3	
Potassium	ppm	2	3	
WEAR METALS				
Iron	ppm	4	2 3	
Copper	ppm	<u> </u>	1	
Lead	ppm	■ <1	<1	
Tin	ppm	■<1	<1	
Aluminum	ppm	3	6	
Chromium	ppm	■<1	- <1	
Molybdenum	ppm	■ 59	□ 23	
Nickel	ppm	■ <1	<u> </u>	
Titanium	ppm	 <1	0	
Silver	ppm	■<1	0	
Manganese	ppm	<1	□ <1	
Vanadium	ppm	<1	<1	
ADDITIVES				
Calcium	ppm	1014	□ 1745	
Magnesium	ppm	933	560	
Zinc	ppm	1185	1000	
Phosphorus	ppm	971	828	
Barium		1	□ 0	
Boron	ppm	1 0	228	
DOIOII	ppm	10		

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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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VP794951

 Unique No:
 10900896

 Signed:
 Don Baldridge

 Report Date:
 29 Feb 2024

OIL ANALYSIS REPORT



