



KOHLER D070046663 - GENSET

Sample No: VPA055689

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

SAMPLE INFORMAT	rion			
Sample Number		VPA055689	VPA031061	
Sample Date		19 Mar 2024	11 Feb 2021	
Machine Hours		676		
Oil Hours		51	312	
		-	O Net Channel	
Oil Changed		Not Changd	Not Changd	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	13.3	13.3	
Base Number (BN)	mg KOH/g	■8.1		
Oxidation (PA)	%	49	62	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	0.1	0.1	
Nitration (PA)	%	38	51	
Sulfation (PA)	%	46	54	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	■5	■8	
Sodium	ppm	■ 2	■3	
Potassium	ppm	2	2	
WEAR METALS				
Iron	ppm	2	7	
Copper	ppm		2	
Lead	ppm	□ <1	<u> </u>	
Tin	ppm	1	0	
Aluminum	ppm	2	2	
Chromium	ppm	□ <1	1	
Molybdenum	ppm	46	■ 56	
Nickel	ppm	- <1	1	
Titanium	ppm	<1	<1	
Silver	ppm	■0	0	
Manganese	ppm	■<1	□ <1	
Vanadium	ppm	<1	0	
ADDITIVES				
Calcium	ppm	1050	□ 1469	
Magnesium	ppm	714	900	
Zinc	ppm	1035	1238	
Phosphorus	ppm	■877	1125	
Barium	ppm	0	- <1	
Boron	ppm	22	■33	

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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 acceptable for the time in service.

Depot:VP288530Unique No:10937621Signed:Don BaldridgeReport Date:22 Mar 2024

OIL ANALYSIS REPORT



