



MICHAEL FIORE DANIEL/502250 ONAN/CUMMINS A070007852 - GENSET

Sample No: VPA036898

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

SAMPLE INFORMAT	TION			
		\/D4026000	\/D4047420	
Sample Number		VPA036898	VPA047439	
Sample Date		23 Aug 2023	13 Feb 2023	
Machine Hours		202	200	
Oil Hours		0	0	
Oil Changed		Not Changd	N/A	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	12.9	12.9	
Base Number (BN)	mg KOH/g	■9.4	9.8	
Oxidation (PA)	%	61	59	
CONTAMINATION				
Soot %	%	■0.1	■ 0.1	
Nitration (PA)	%	37	43	
Sulfation (PA)	%	51	51	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	11	■8	
Sodium	ppm	■ 3	1 2	
Potassium	ppm	<1	<1	
WEAR METALS				
Iron	ppm	■ 3	5	
Copper	ppm	■<1	2	
Lead	ppm	<1	<1	
Tin	ppm	■ <1	1	
Aluminum	ppm	■0	□ <1	
Chromium	ppm	0	<1	
Molybdenum		■ 56	□ 56	
Nickel	ppm	■0	1 0	
Titanium	ppm	_	_	
	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	■0	<1	
Vanadium	ppm	<1	0	
ADDITIVES				
Calcium	ppm	1169	1042	
Magnesium	ppm	■ 990	■915	
Zinc	ppm	1293	1221	
Phosphorus	ppm	1056	981	
Barium	ppm	■0	□0	
Boron	ppm	■ <1	5	
DOTOTI	PPIII			

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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: VP794951
Unique No: 10619881
Signed: Sean Felton
Report Date: 28 Aug 2023

OIL ANALYSIS REPORT



