



502120 ONAN 1020415348 - GENSET

Sample No: VPA055653

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

SAMPLE INFORMAT	TION			
Sample Number		VPA055653	 	
Sample Date		28 Jun 2023	 	
Machine Hours		575	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	12.8	 	
Base Number (BN)	mg KOH/g	9.5	 	
Oxidation (PA)	%	59	 	
Oxidation (171)				
CONTAMINATION				
Soot %	%	■ 0.1	 	
Nitration (PA)	%	43	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon		□4	 	
Sodium	ppm	2	 	
Potassium	ppm	■ < 1	 	
FOLASSIUIII	ppm		 	
WEAR METALS				
Iron	ppm	■ 5	 	
Copper	ppm	■<1	 	
Lead	ppm	□0	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	■<1	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	70	 	
Nickel		0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
	ppm	_		
Manganese	ppm	0	 	
Vanadium	ppm	0	 	
ADDITIDDA				
Calcium	ppm	■1184	 	
Magnesium	ppm	792	 	
Zinc	ppm	1179	 	
Phosphorus	ppm	962	 	
Barium	ppm	■0	 	
Boron	ppm	44	 	
201011	77111			

Endor Marine LLC - Coastal Marine - 152124

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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:VP794951Unique No:10549110Signed:Don BaldridgeReport Date:11 Jul 2023

OIL ANALYSIS REPORT



