



MCCULLY 23-2779 VOLVO PENTA 2006017901 - DIESEL ENGINE

Sample No: VPA021365

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

SAMPLE INFORMAT	rion			
Sample Number		VPA021365	VPA012259	
Sample Date		06 Dec 2023	01 Aug 2018	
Machine Hours		1396		
			651	
Oil Hours		200	0	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	12.8	■15.18	
Base Number (BN)	mg KOH/g	■8.1		
Oxidation (PA)	%	61	■83	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	MEG ■ 0.3	0.1	
Nitration (PA)	%	69	□ 73	
Sulfation (PA)	%	57	□ 73 □ 64	
	%	NEG	NEG	
Glycol				
Fuel	%	<1.0	<1.0	
Silicon	ppm	□ 6	4	
Sodium	ppm	■30	4	
Potassium	ppm	4	1 2	
WEAR METALS				
Iron	ppm	15	■ 8	
Copper	ppm	■8	3	
Lead	ppm	6	1	
Tin	ppm	1	0	
Aluminum	ppm	2	1	
Chromium	ppm	2	<u></u> <1	
Molybdenum	ppm	■32	<u> </u>	
Nickel	ppm	2	<1	
Titanium	ppm	□ <1	<u> </u>	
Silver	ppm	O	0	
Manganese	ppm	■<1	□ <1	
Vanadium	ppm	0	0	
ADDITIVES				
Calcium	ppm	1696	2042	
Magnesium	ppm	381	108	
Zinc		■ 1024	■ 1090	
Phosphorus	ppm	■ 1024 ■ 863	□ 1090 □ 958	
•	ppm			
Barium	ppm	□ 13	0	
Boron	ppm	16	118	

Outstanding Marine

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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:VP153685Unique No:10782817Signed:Don BaldridgeReport Date:15 Dec 2023

OIL ANALYSIS REPORT



