



NOT GIVEN 502125 VOLVO D8AZ-2 MP 7008447889 - PORT DIESEL ENGINE

Sample No: VPA058178

Oil Type: CHEVRON DELO 400 MULTIGRADE 15W40

CAMBLE INCORMA	TION			
SAMPLE INFORMAT	TIUN			
Sample Number		VPA058178	VPA048032	
Sample Date		05 Jan 2024	09 Dec 2022	
Machine Hours		491	333	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
	cSt	=12.7	= 12.0	
Visc @ 100°C		■13.7	13.8	
Base Number (BN)	mg KOH/g	■8.3	11.1	
Oxidation (PA)	%	49	58	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	■ 0.3	■0.3	
Nitration (PA)	%	60	51	
Sulfation (PA)	%	49	54	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	11	1 0	
Sodium	ppm	<1	<1	
Potassium	ppm	<u> </u>	<u> </u>	
WEAR METALS				
Iron	ppm	8	9	
Copper	ppm	■30	□34	
Lead	ppm	■ <1	<u> </u>	
Tin	ppm	_ <1	0	
Aluminum	ppm	1	0	
Chromium	ppm	_ <1	<1	
Molybdenum	ppm	■ 9	□ 59	
Nickel	ppm	■ <1	0	
Titanium	ppm	0	0	
Silver	ppm	1	- <1	
Manganese	ppm	■<1	□ <1	
Vanadium	ppm	0	0	
ADDITIVES				
Calcium	nnm	1221	III 1000	
	ppm		1090	
Magnesium	ppm	800	□ 959	
Zinc	ppm	■877	□ 1261 □ 1264	
Phosphorus	ppm	□ 767	1064	
Barium	ppm	0	0	
Boron	ppm	70	5	

North Harbor Diesel Inc

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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:VP179089Unique No:10832221Signed:Jonathan HesterReport Date:17 Jan 2024

OIL ANALYSIS REPORT



