

OIL ANALYSIS REPORT



NOT GIVEN 502125 VOLVO D8AZ-2 MP 7008447902 - STARBOARD DIESEL ENGINE

Sample No: VPA058148

Oil Type: CHEVRON DELO 400 MULTIGRADE 15W40

SAMPLE INFORMATION

Sample Number	VPA058148	VPA048037	---	---
Sample Date	05 Jan 2024	09 Dec 2022	---	---
Machine Hours	488	326	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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 720 30Th Street
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OIL CONDITION

Visc @ 100°C	cSt	13.7	13.7	---	---
Base Number (BN)	mg KOH/g	8.1	10.9	---	---
Oxidation (PA)	%	50	59	---	---

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.

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.2	0.2	---	---
Nitration (PA)	%	61	51	---	---
Sulfation (PA)	%	49	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	11	9	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	2	<1	---	---

WEAR METALS

Iron	ppm	7	8	---	---
Copper	ppm	42	37	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	0	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	10	59	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1239	1065	---	---
Magnesium	ppm	794	965	---	---
Zinc	ppm	886	1234	---	---
Phosphorus	ppm	787	1056	---	---
Barium	ppm	0	0	---	---
Boron	ppm	70	5	---	---

Depot: VP179089
Unique No: 10832220
Signed: Jonathan Hester
Report Date: 17 Jan 2024

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VOLVO PENTA

GRAPHS

