

OIL ANALYSIS REPORT



US NAVY 205559 CUMMINS 73463854 - DIESEL ENGINE

Sample No: VPA059902
Oil Type: CUMMINS CUMMINS BLUE 2000 15W40

SAMPLE INFORMATION

Sample Number	VPA059902	VPA059900	---	---
Sample Date	23 Apr 2024	13 Feb 2024	---	---
Machine Hours	3	0	---	---
Oil Hours	3	1	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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 865 Stella Street
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 Contact: Mitchell Cogswell
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 T:
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OIL CONDITION

Visc @ 100°C	cSt	14.9	15.0	---	---
Base Number (BN)	mg KOH/g	8.3	8.1	---	---
Oxidation (PA)	%	63	63	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0	---	---
Nitration (PA)	%	41	41	---	---
Sulfation (PA)	%	54	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	12	9	---	---
Sodium	ppm	3	0	---	---
Potassium	ppm	9	9	---	---

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.

WEAR METALS

Iron	ppm	4	3	---	---
Copper	ppm	8	8	---	---
Lead	ppm	2	1	---	---
Tin	ppm	1	<1	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	4	5	---	---
Nickel	ppm	1	<1	---	---
Titanium	ppm	1	1	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	2	1	---	---
Vanadium	ppm	<1	<1	---	---

ADDITIVES

Calcium	ppm	1979	1993	---	---
Magnesium	ppm	52	42	---	---
Zinc	ppm	1063	1055	---	---
Phosphorus	ppm	884	988	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	195	208	---	---

Depot: VP152133
Unique No: 10995613
Signed: Don Baldrige
Report Date: 26 Apr 2024

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VOLVO PENTA

GRAPHS

