

OIL ANALYSIS REPORT

VOLVO PENTA

CATERPILLAR 4KG07415 - DIESEL ENGINE

Sample No: VPA060175

Oil Type: CHEVRON DELO 400 SAE 30

SAMPLE INFORMATION

Sample Number	VPA060175	---	---	---
Sample Date	06 Dec 2023	---	---	---
Machine Hours	3500	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

MYRIAD MARINE

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 10.8	---	---	---
Base Number (BN)	mg KOH/g	█ 7.3	---	---	---
Oxidation (PA)	%	█ 34	---	---	---

CONTAMINATION

Water	%	█ NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	█ 40	---	---	---
Sulfation (PA)	%	█ 43	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

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.

WEAR METALS

Iron	ppm	█ <1	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 66	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 1952	---	---	---
Magnesium	ppm	█ 440	---	---	---
Zinc	ppm	█ 920	---	---	---
Phosphorus	ppm	█ 847	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 248	---	---	---

Depot: VPMYRSAN
Unique No: 10790942
Signed: Don Baldrige
Report Date: 19 Dec 2023

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GRAPHS

