

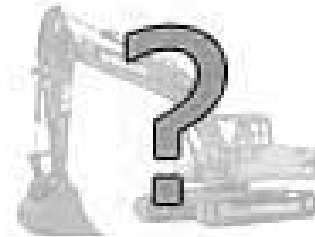


CONSTRUCTION EQUIPMENT

CONVEYOR GT4280 225285 - DIESEL ENGINE



Sample No: VCP421339
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP421339	VCP415993	---	---
Sample Date	15 Dec 2023	24 Jun 2023	---	---
Machine Hours	2565	1784	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	MARGINAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	█ 12.3	---	---
Base Number (BN)	mg KOH/g	█ 9.5	█ 9.3	---	---
Oxidation (PA)	%	88	96	---	---

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.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	81	85	---	---
Sulfation (PA)	%	60	69	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	▲ 2.0	---	---
Silicon	ppm	█ 6	█ 6	---	---
Sodium	ppm	█ 2	█ 1	---	---
Potassium	ppm	█ <1	█ 2	---	---



WEAR METALS

Iron	ppm	█ 12	█ 7	---	---
Copper	ppm	█ <1	█ 34	---	---
Lead	ppm	█ 0	█ 1	---	---
Tin	ppm	█ <1	█ 1	---	---
Aluminum	ppm	█ 3	█ 0	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 54	█ 48	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1714	█ 1657	---	---
Magnesium	ppm	█ 564	█ 539	---	---
Zinc	ppm	█ 1208	█ 1128	---	---
Phosphorus	ppm	█ 988	█ 894	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 24	█ 38	---	---

Depot: VOLVO0090
Unique No: 10795621
Signed: Don Baldrige
Report Date: 21 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

