



CONSTRUCTION EQUIPMENT

FAST TRAX FT4250 CC KPI 419346 - DIESEL ENGINE



Sample No: VCP412379
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP412379	VCP415825	---	---
Sample Date	22 Sep 2023	24 Jun 2023	---	---
Machine Hours	4442	4181	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	█ 12.7	---	---
Base Number (BN)	mg KOH/g	█ 9.7	█ 9.8	---	---
Oxidation (PA)	%	83	88	---	---

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

Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	74	80	---	---
Sulfation (PA)	%	61	63	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 3	---	---
Sodium	ppm	█ 2	█ 3	---	---
Potassium	ppm	█ 1	█ 3	---	---



WEAR METALS

Iron	ppm	█ 10	█ 15	---	---
Copper	ppm	█ 2	█ 2	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ 0	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 51	█ 49	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 1638	█ 1718	---	---
Magnesium	ppm	█ 487	█ 494	---	---
Zinc	ppm	█ 1122	█ 1148	---	---
Phosphorus	ppm	█ 928	█ 934	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 23	█ 21	---	---

Depot: VOLVO0090
Unique No: 10670935
Signed: Wes Davis
Report Date: 29 Sep 2023



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GRAPHS

