



CONSTRUCTION EQUIPMENT

688548 ARROW IND WIO CONVEYOR 7233843 - DIESEL ENGINE



Sample No: VCP438007
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 688548 ARROW IND



SAMPLE INFORMATION

Sample Number	VCP438007	---	---	---
Sample Date	19 Mar 2024	---	---	---
Machine Hours	937	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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56195 PONTIAC TRAIL
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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.76	---	---	---
Base Number (BN)	mg KOH/g	■ 6.9	---	---	---
Oxidation (PA)	%	■ 94	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.5	---	---	---
Nitration (PA)	%	■ 103	---	---	---
Sulfation (PA)	%	■ 66	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 2.7	---	---	---
Silicon	ppm	■ 39	---	---	---
Sodium	ppm	■ 11	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 82	---	---	---
Copper	ppm	■ 29	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 7	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	● 95	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 1750	---	---	---
Magnesium	ppm	■ 351	---	---	---
Zinc	ppm	■ 1187	---	---	---
Phosphorus	ppm	■ 811	---	---	---
Barium	ppm	■ 5	---	---	---
Boron	ppm	● 139	---	---	---

Depot: VOLVO2990
Unique No: 10949727
Signed: Wes Davis
Report Date: 08 Apr 2024



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GRAPHS

