



CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY 19248 VOLVO L150H RL72 (S/N 7053) - DIESEL ENGINE



Sample No: VCP412002
Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40
Job No: 19248



SAMPLE INFORMATION

Sample Number	VCP412002	---	---	---
Sample Date	20 Jul 2023	---	---	---
Machine Hours	3645	---	---	---
Oil Hours	1023	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

HILCO TRANSPORT

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 8.2	---	---	---
Oxidation (PA)	%	59	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	59	---	---	---
Sulfation (PA)	%	51	---	---	---
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 suitable for further service.

WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 65	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1177	---	---	---
Magnesium	ppm	1053	---	---	---
Zinc	ppm	█ 1373	---	---	---
Phosphorus	ppm	█ 1123	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 8	---	---	---

Depot: HILGREVC
Unique No: 10586911
Signed: Wes Davis
Report Date: 04 Aug 2023



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GRAPHS

