



CONSTRUCTION EQUIPMENT

SPM687839 US STEEL VOLVO A60H 340125 - DIESEL ENGINE



Sample No: VCP436320
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM687839 US STEEL



SAMPLE INFORMATION

Sample Number	VCP436320	VCP366807	---	---
Sample Date	12 Apr 2024	27 Aug 2022	---	---
Machine Hours	8696	6235	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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5000 INDUSTRIAL HWY
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	█ 12.8	---	---
Base Number (BN)	mg KOH/g	█ 6.3	█ 11.1	---	---
Oxidation (PA)	%	65	75	---	---

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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.4	█ 0.3	---	---
Nitration (PA)	%	68	66	---	---
Sulfation (PA)	%	61	63	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 6	---	---
Sodium	ppm	█ 2	█ 4	---	---
Potassium	ppm	█ 0	█ 1	---	---



WEAR METALS

Iron	ppm	█ 16	█ 12	---	---
Copper	ppm	█ <1	█ 17	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 1	█ <1	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 79	█ 49	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 1537	█ 1314	---	---
Magnesium	ppm	█ 412	█ 650	---	---
Zinc	ppm	█ 1204	█ 1176	---	---
Phosphorus	ppm	█ 1038	█ 971	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 333	█ 30	---	---

Depot: VOLVO8885
Unique No: 10989322
Signed: Wes Davis
Report Date: 22 Apr 2024



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GRAPHS

