



CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY VOLVO A60H 480014 (S/N 350143) - DIESEL ENGINE



Sample No: VCP0005643

Oil Type: DIESEL ENGINE OIL SAE 40

Job No:



SAMPLE INFORMATION

Sample Number	VCP0005643	VCP362907	---	---
Sample Date	26 Jan 2023	28 Jul 2022	---	---
Machine Hours	2135	1566	---	---
Oil Hours	569	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

MORGAN CORP

PO BOX 3555
SPARTANBURG, SC
US 29304

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F:



OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	█ 12.8	---	---
Base Number (BN)	mg KOH/g	█ 9.3	█ 11.1	---	---
Oxidation (PA)	%	59	84	---	---

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 %	%	█ 0.5	█ 0.4	---	---
Nitration (PA)	%	66	68	---	---
Sulfation (PA)	%	52	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 6	█ 8	---	---
Sodium	ppm	█ 2	█ <1	---	---
Potassium	ppm	█ 2	█ 3	---	---



WEAR METALS

Iron	ppm	█ 16	█ 17	---	---
Copper	ppm	█ 5	█ 14	---	---
Lead	ppm	█ 2	█ <1	---	---
Tin	ppm	█ 1	█ 1	---	---
Aluminum	ppm	█ 4	█ 3	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 57	█ 42	---	---
Nickel	ppm	█ 2	█ 1	---	---
Titanium	ppm	█ <1	█ 0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ 2	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1177	█ 1705	---	---
Magnesium	ppm	█ 928	█ 475	---	---
Zinc	ppm	█ 1275	█ 1121	---	---
Phosphorus	ppm	█ 998	█ 937	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 8	█ 60	---	---

Depot: MORSPA

Unique No: 10363137

Signed: Wes Davis

Report Date: 07 Mar 2023



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GRAPHS

