



CONSTRUCTION EQUIPMENT

SPM595489 THNB GENIE GTH-1544 GTH15M-706 - DIESEL ENGINE



Sample No: VCP409182
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM595489 THNB



SAMPLE INFORMATION

Sample Number	VCP409182	---	---	---
Sample Date	30 Aug 2023	---	---	---
Machine Hours	437	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

ALTA CONSTRUCTION EQUIPMENT
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T:
F:



OIL CONDITION

Visc @ 100°C	cSt	▲ 11.3	---	---	---
Base Number (BN)	mg KOH/g	■ 8.5	---	---	---
Oxidation (PA)	%	72	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	74	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.4	---	---	---
Silicon	ppm	■ 10	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 1	---	---	---



WEAR METALS

Iron	ppm	■ 12	---	---	---
Copper	ppm	■ 5	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 44	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1200	---	---	---
Magnesium	ppm	■ 812	---	---	---
Zinc	ppm	■ 884	---	---	---
Phosphorus	ppm	■ 742	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 53	---	---	---

Depot: VOLVO5055
Unique No: 10633966
Signed: Sean Felton
Report Date: 08 Sep 2023



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GRAPHS

