



CONSTRUCTION EQUIPMENT

X18352 APAC HAMILTON VOLVO L180H 5438 - DIESEL ENGINE



Sample No: VCP445373
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X18352 APAC HAMILTON



SAMPLE INFORMATION

Sample Number	VCP445373	---	---	---
Sample Date	08 Mar 2024	---	---	---
Machine Hours	5260	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

SCOTT EQUIPMENT COMPANY LLC - Jackson
 3860 I-55 South
 JACKSON, MS
 US 39212
 Contact: DWIGHT MCDUGAL
 DMCDUGAL@SCOTTCOMPANIES.COM
 T:
 F: (601)326-3359



OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.7	---	---	---
Oxidation (PA)	%	82	---	---	---

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 acceptable for the time in service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	72	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 23	---	---	---
Potassium	ppm	█ 33	---	---	---



WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 41	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1878	---	---	---
Magnesium	ppm	█ 506	---	---	---
Zinc	ppm	█ 1178	---	---	---
Phosphorus	ppm	█ 991	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 39	---	---	---

Depot: VOLV08771
Unique No: 11074826
Signed: Sean Felton
Report Date: 14 Jun 2024



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GRAPHS

