



CONSTRUCTION EQUIPMENT

687087 DIPRO MCCLOSKEY S190 86857 - DIESEL ENGINE



Sample No: VCP447057
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 687087 DIPRO



SAMPLE INFORMATION

Sample Number	VCP447057	---	---	---
Sample Date	28 Mar 2024	---	---	---
Machine Hours	3589	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 4.5	---	---	---
Oxidation (PA)	%	124	---	---	---

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	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	127	---	---	---
Sulfation (PA)	%	74	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 54	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 10	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 66	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1431	---	---	---
Magnesium	ppm	674	---	---	---
Zinc	ppm	█ 1050	---	---	---
Phosphorus	ppm	█ 944	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 16	---	---	---

Depot: VOLVO2990
Unique No: 10968734
Signed: Jonathan Hester
Report Date: 12 Apr 2024



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GRAPHS

