



CONSTRUCTION EQUIPMENT

DPF CUMMINS ISX 15 79465155 - DIESEL ENGINE



Sample No: VCE045553
Oil Type: JOHN DEERE ENGINE OIL PLUS 50 II 15W40
Job No: DPF



SAMPLE INFORMATION

Sample Number	VCE045553	---	---	---
Sample Date	01 Nov 2023	---	---	---
Machine Hours	10447	---	---	---
Oil Hours	422	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 15.2	---	---	---
Base Number (BN)	mg KOH/g	█ 7.3	---	---	---
Oxidation (PA)	%	98	---	---	---

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 %	%	█ 1.2	---	---	---
Nitration (PA)	%	95	---	---	---
Sulfation (PA)	%	83	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 6	---	---	---



WEAR METALS

Iron	ppm	█ 29	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 7	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 177	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1669	---	---	---
Magnesium	ppm	█ 604	---	---	---
Zinc	ppm	█ 1381	---	---	---
Phosphorus	ppm	1176	---	---	---
Barium	ppm	█ 10	---	---	---
Boron	ppm	█ 175	---	---	---

Depot: HUPBIL
Unique No: 10752371
Signed: Don Baldrige
Report Date: 22 Nov 2023



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GRAPHS

