



CONSTRUCTION EQUIPMENT

SPM594086 CATERPILLAR 815F 1GNO08886 - DIESEL ENGINE



Sample No: VCP415249
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM594086



SAMPLE INFORMATION

Sample Number	VCP415249	---	---	---
Sample Date	25 Aug 2023	---	---	---
Machine Hours	5625	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

JOHN KENO & CO

750 RICARD LN
ELK GROVE VILLAGE, IL
US 60007

Contact: LUKAS DECKER
ldecker@johnkeno.com

T: (847)340-2432

F:



OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Base Number (BN)	mg KOH/g	█ 9.3	---	---	---
Oxidation (PA)	%	62	---	---	---

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	---	---	---
Nitration (PA)	%	59	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	█ 26	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 60	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 2	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1777	---	---	---
Magnesium	ppm	█ 629	---	---	---
Zinc	ppm	█ 1399	---	---	---
Phosphorus	ppm	█ 1140	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 91	---	---	---

Depot: JOHELK

Unique No: 10631064

Signed: Wes Davis

Report Date: 01 Sep 2023



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GRAPHS

