



CONSTRUCTION EQUIPMENT

BLOOMING GROVE CASE 721G TNF259702 - DIESEL ENGINE



Sample No: VCP356279
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: BLOOMING GROVE



SAMPLE INFORMATION

Sample Number	VCP356279	---	---	---
Sample Date	31 Jul 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

Hoffman Equipment - Bronx
 1144 Zerega Avenue
 Bronx, NY
 US 10462
 Contact: SAUL COLON
 SAUL.COLON@HOFFMANEQUIP.COM
 T: (732)752-3600
 F:



OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.6	---	---	---
Oxidation (PA)	%	59	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. 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

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	46	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 52	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 16	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 59	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1938	---	---	---
Magnesium	ppm	█ 403	---	---	---
Zinc	ppm	█ 1331	---	---	---
Phosphorus	ppm	█ 1070	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 117	---	---	---

Depot: HOFBRO
Unique No: 10605794
Signed: Don Baldrige
Report Date: 17 Aug 2023



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GRAPHS

