



CONSTRUCTION EQUIPMENT

X59527 CASE 580N 778301 - DIESEL ENGINE



Sample No: VCP437022
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: X59527



SAMPLE INFORMATION

Sample Number	VCP437022	---	---	---
Sample Date	02 May 2024	---	---	---
Machine Hours	852	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.1	---	---	---
Base Number (BN)	mg KOH/g	6.1	---	---	---
Oxidation (PA)	%	69	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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 %	%	0.8	---	---	---
Nitration (PA)	%	90	---	---	---
Sulfation (PA)	%	64	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	18	---	---	---
Sodium	ppm	11	---	---	---
Potassium	ppm	2	---	---	---



WEAR METALS

Iron	ppm	112	---	---	---
Copper	ppm	132	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	6	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	62	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1780	---	---	---
Magnesium	ppm	495	---	---	---
Zinc	ppm	1317	---	---	---
Phosphorus	ppm	1012	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	35	---	---	---

Depot: SCOSAI
Unique No: 11018423
Signed: Sean Felton
Report Date: 10 May 2024



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GRAPHS

