CONSTRUCTION EQUIPMENT

X47317 VOLVO EC220 314774 - DIESEL ENGINE

Sample No: VCP418667
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: X47317

SCOTT EQUIPMENT COMPANY LLC - Lake Charles
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US 70616
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SAMPLE INFORMATION

Sample Number		**VCP418667**	---	---	---
Sample Date		**15 Aug 2023**	---	---	---
Machine Hours		**944**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**N/A**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	**14.4**	---	---	---
Base Number (BN)	mg KOH/g	**8.3**	---	---	---
Oxidation (PA)	%	**60**	---	---	---

CONTAMINATION

Soot %	%	**0.2**	---	---	---
Nitration (PA)	%	**66**	---	---	---
Sulfation (PA)	%	**52**	---	---	---
Glycol	%	**NEG**	---	---	---
Fuel	%	**<1.0**	---	---	---
Silicon	ppm	**8**	---	---	---
Sodium	ppm	**2**	---	---	---
Potassium	ppm	**3**	---	---	---

WEAR METALS

Iron	ppm	**69**	---	---	---
Copper	ppm	**2**	---	---	---
Lead	ppm	**<1**	---	---	---
Tin	ppm	**1**	---	---	---
Aluminum	ppm	**2**	---	---	---
Chromium	ppm	**2**	---	---	---
Molybdenum	ppm	**56**	---	---	---
Nickel	ppm	**1**	---	---	---
Titanium	ppm	**<1**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**2**	---	---	---
Vanadium	ppm	**<1**	---	---	---

ADDITIVES

Calcium	ppm	**1230**	---	---	---
Magnesium	ppm	**928**	---	---	---
Zinc	ppm	**1259**	---	---	---
Phosphorus	ppm	**1040**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**0**	---	---	---

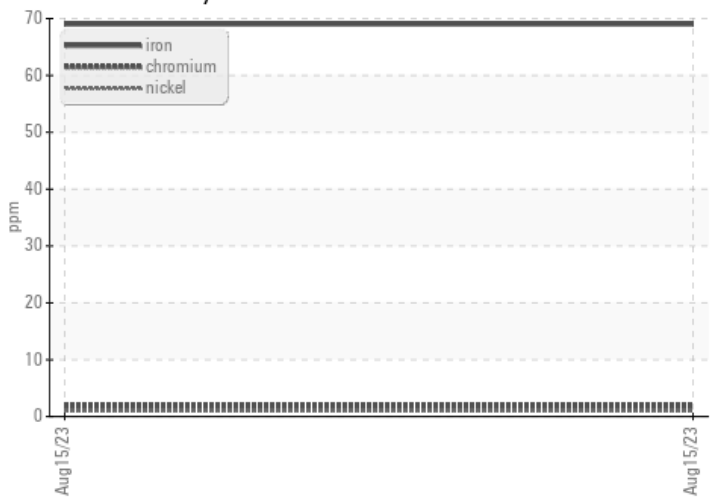
Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.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 suitable for further service.

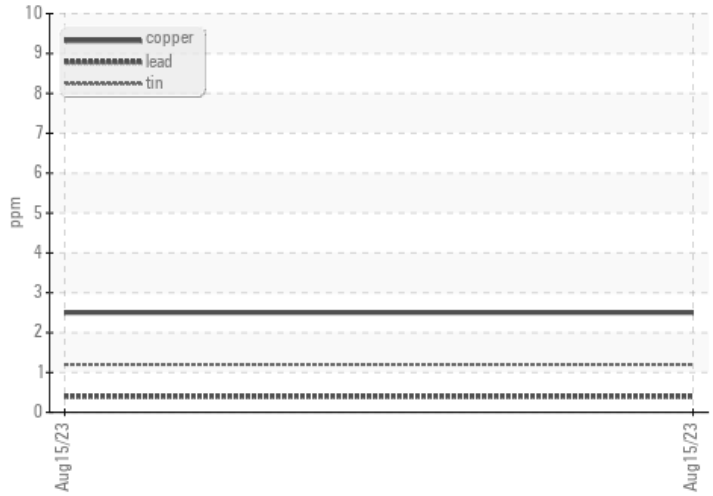
Depot: VOLVO6244
Unique No: 10616584
Signed: Wes Davis
Report Date: 23 Aug 2023

GRAPHS

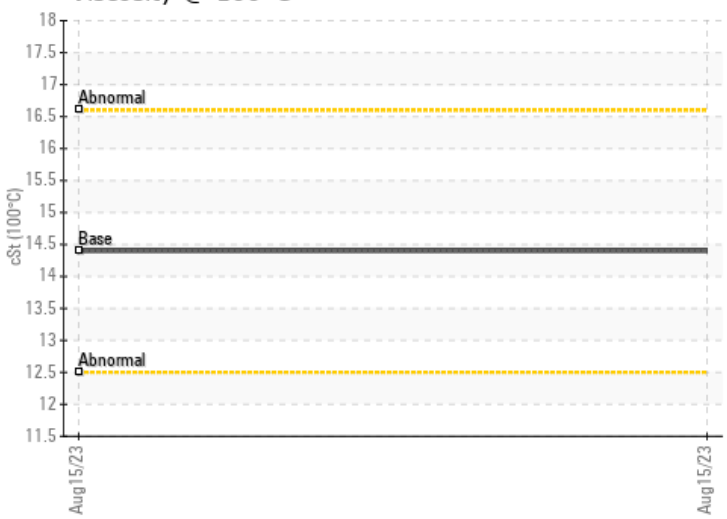
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number