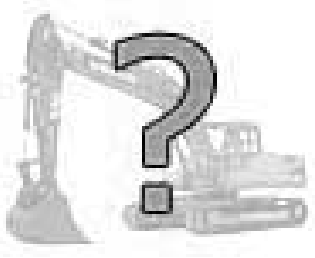
CONSTRUCTION EQUIPMENT

SPM568445 CROSSTOWN NEW HOLLAND C345 NMM408525 - DIESEL ENGINE

Sample No: VCP369261
Oil Type: DIESEL ENGINE OIL SAE 10W30
Job No: SPM568445 CROSSTOWN



ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
DAVE.ENG@ALTG.COM
T: (312)350-2560
F:

SAMPLE INFORMATION

Sample Number		**VCP369261**	---	---	---
Sample Date		**06 Jul 2023**	---	---	---
Machine Hours		**479**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	**12.1**	---	---	---
Base Number (BN)	mg KOH/g	**7.6**	---	---	---
Oxidation (PA)	%	**84**	---	---	---

CONTAMINATION

Soot %	%	**0.2**	---	---	---
Nitration (PA)	%	**97**	---	---	---
Sulfation (PA)	%	**63**	---	---	---
Glycol	%	**NEG**	---	---	---
Fuel	%	**<1.0**	---	---	---
Silicon	ppm	**19**	---	---	---
Sodium	ppm	**8**	---	---	---
Potassium	ppm	**3**	---	---	---

WEAR METALS

Iron	ppm	**45**	---	---	---
Copper	ppm	**27**	---	---	---
Lead	ppm	**3**	---	---	---
Tin	ppm	**2**	---	---	---
Aluminum	ppm	**6**	---	---	---
Chromium	ppm	**2**	---	---	---
Molybdenum	ppm	**64**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**<1**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**3**	---	---	---
Vanadium	ppm	**<1**	---	---	---

ADDITIVES

Calcium	ppm	**1896**	---	---	---
Magnesium	ppm	**479**	---	---	---
Zinc	ppm	**1421**	---	---	---
Phosphorus	ppm	**1100**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**61**	---	---	---

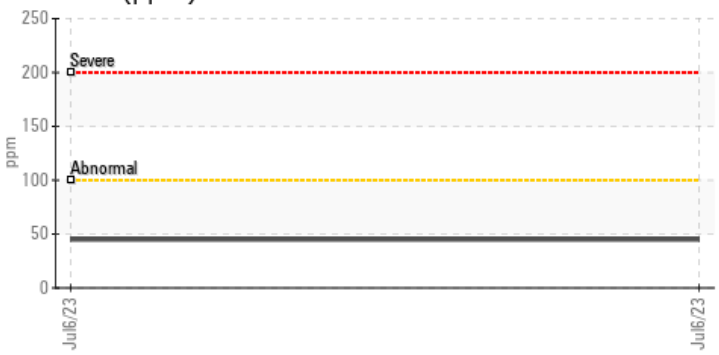
Diagnosis

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 suitable for further service.

Depot: VOLVO8885
Unique No: 10560511
Signed: Wes Davis
Report Date: 17 Jul 2023

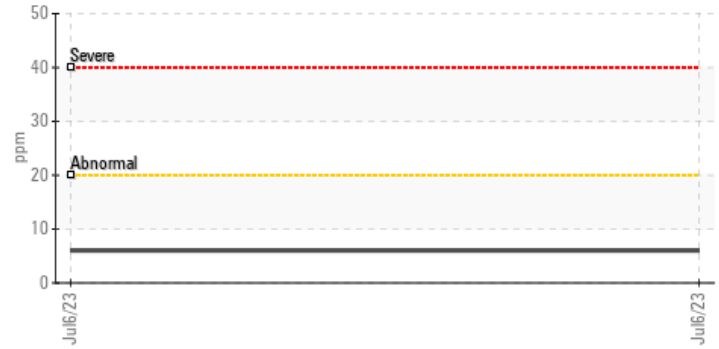
GRAPHS

Iron (ppm)



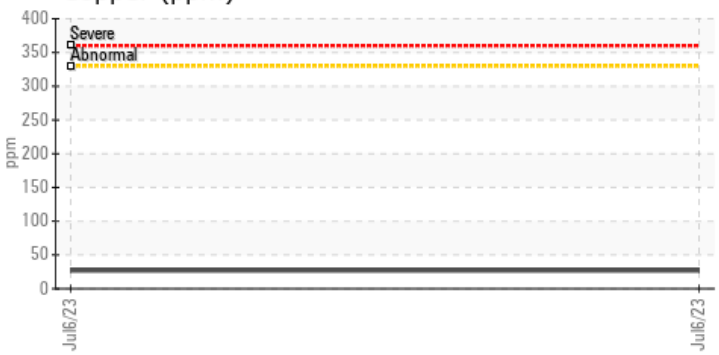
Lead (ppm)

Aluminum (ppm)

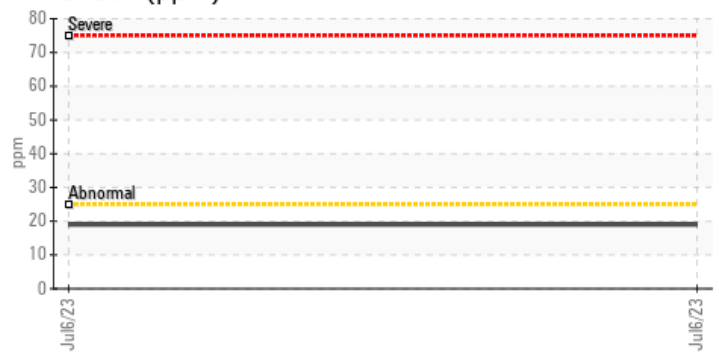


Chromium (ppm)

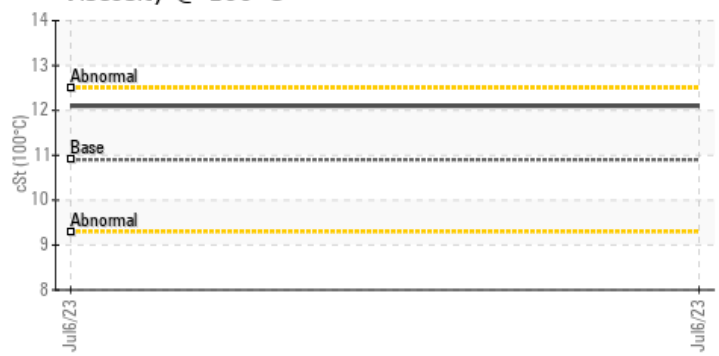
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number