CONSTRUCTION EQUIPMENT
VOLVO L70H 625046 - DIESEL ENGINE

Sample No: VCP433515
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:

ALTA EQUIPMENT COMPANY
5151 DR MARTIN LUTHER KING BLVD
FORT MYERS, FL
US 33905
Contact: TODD LARK
tlark@altaequipfl.com
T:
F: (239)481-3302

SAMPLE INFORMATION

Sample Number		**VCP433515**	---	---	---
Sample Date		**28 Nov 2023**	---	---	---
Machine Hours		**870**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	**12.8**	---	---	---
Base Number (BN)	mg KOH/g	**8.6**	---	---	---
Oxidation (PA)	%	**75**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Soot %	%	**0.3**	---	---	---
Nitration (PA)	%	**65**	---	---	---
Sulfation (PA)	%	**58**	---	---	---
Glycol	%	**NEG**	---	---	---
Fuel	%	**<1.0**	---	---	---
Silicon	ppm	**19**	---	---	---
Sodium	ppm	**3**	---	---	---
Potassium	ppm	**<1**	---	---	---

WEAR METALS

Iron	ppm	**32**	---	---	---
Copper	ppm	**9**	---	---	---
Lead	ppm	**1**	---	---	---
Tin	ppm	**3**	---	---	---
Aluminum	ppm	**16**	---	---	---
Chromium	ppm	**2**	---	---	---
Molybdenum	ppm	**50**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**4**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**1723**	---	---	---
Magnesium	ppm	**633**	---	---	---
Zinc	ppm	**1377**	---	---	---
Phosphorus	ppm	**1118**	---	---	---
Barium	ppm	**2**	---	---	---
Boron	ppm	**65**	---	---	---

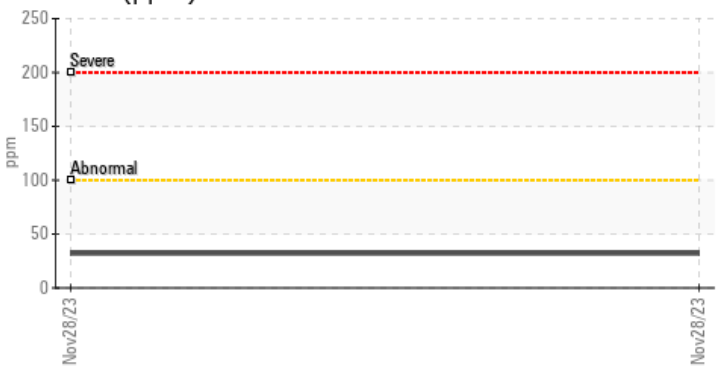
Diagnosis

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: VOLVO0090
Unique No: 10767394
Signed: Wes Davis
Report Date: 04 Dec 2023

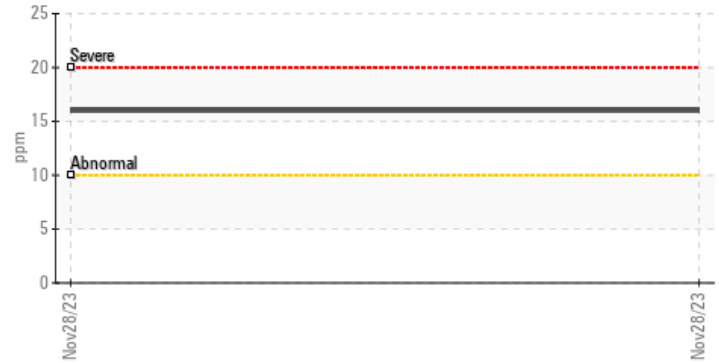
GRAPHS

Iron (ppm)

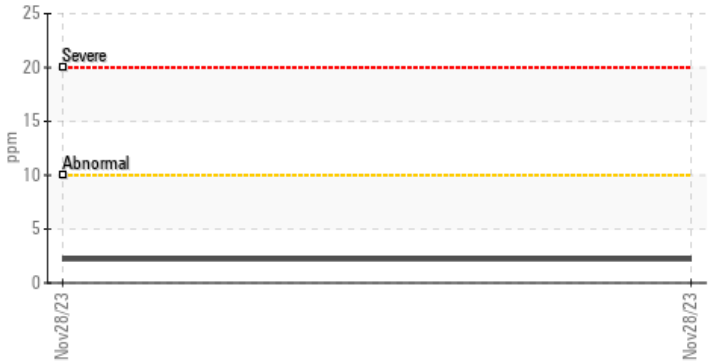


Lead (ppm)

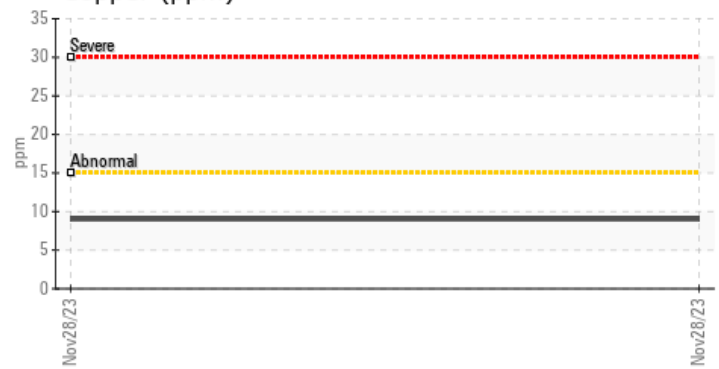
Aluminum (ppm)



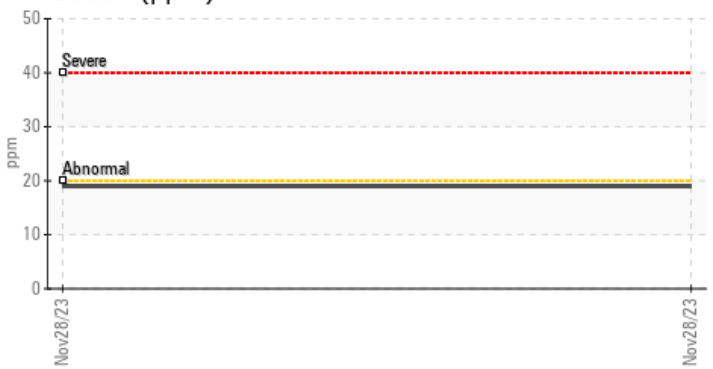
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C

Base Number