CONSTRUCTION EQUIPMENT
24400 VOLVO DD25 660144 - HYDRAULIC SYSTEM

Sample No: VCP420555
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 24400

SAMPLE INFORMATION

Sample Number		**VCP420555**	---	---	---
Sample Date		**06 Nov 2023**	---	---	---
Machine Hours		**623**	---	---	---
Oil Hours		**1000**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**45.2**	---	---	---
Acid Number (AN)	mg KOH/g	**0.47**	---	---	---

CONTAMINATION

Particles >4µm		▲ **18341**	---	---	---
Particles >6µm		▲ **8043**	---	---	---
Particles >14µm		▲ **986**	---	---	---
ISO 4406:1999 (c)		**21/20/17**	---	---	---
Silicon	ppm	**1**	---	---	---
Sodium	ppm	**0**	---	---	---
Potassium	ppm	**1**	---	---	---

WEAR METALS

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

ADDITIVES

Calcium	ppm	**141**	---	---	---
Magnesium	ppm	**6**	---	---	---
Zinc	ppm	**515**	---	---	---
Phosphorus	ppm	**385**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**10**	---	---	---

218 - ASCENDUM MACHINERY INC - N. CHARLESTON
7235 CROSS COUNTRY RD.
NORTH CHARLESTON, SC
US 29418
Contact: MATT MITCHAM
matt.mitcham@ascendummachinery.com
T:
F: (843)414-1129

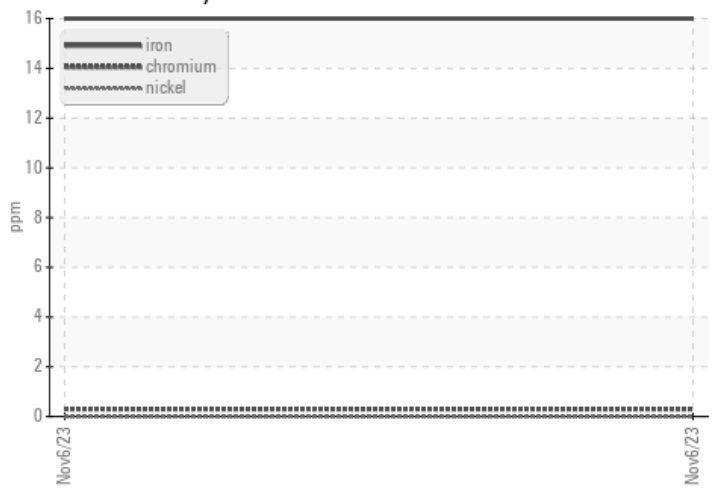
Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: VOLVO3387
Unique No: 10729884
Signed: Wes Davis
Report Date: 09 Nov 2023

GRAPHS

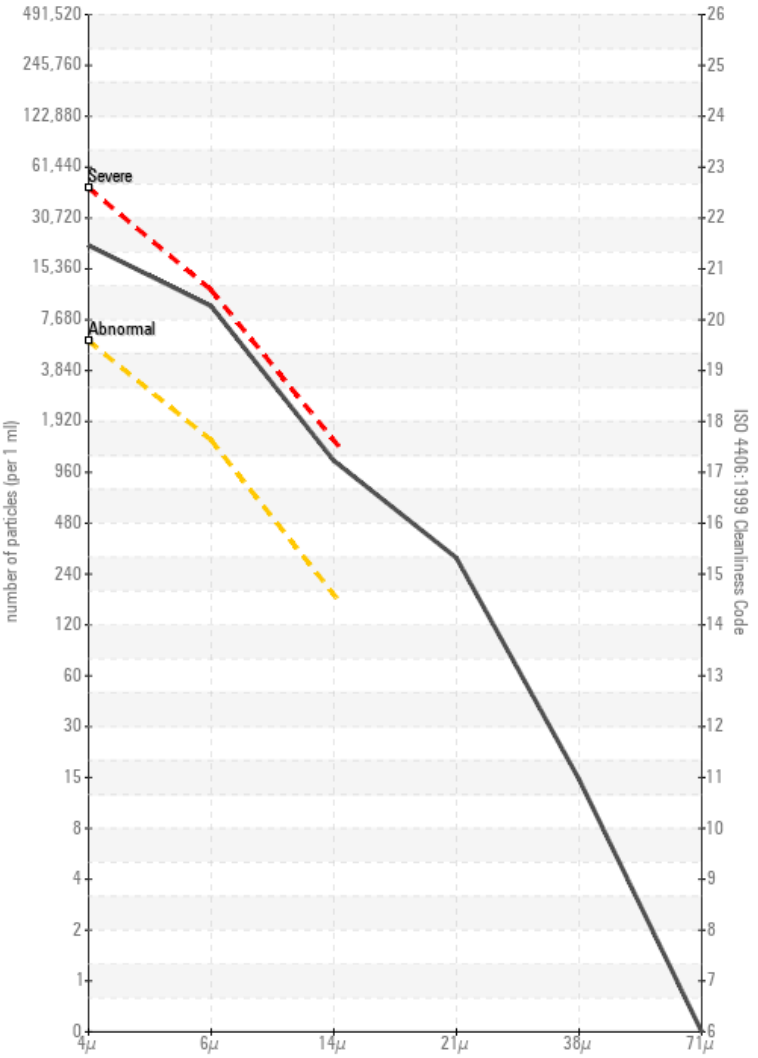
Ferrous Alloys



Non-ferrous Metals

Viscosity @ 40°C

Particle Count



Acid Number