CONSTRUCTION EQUIPMENT

224285 DICKSON VOLVO EC380EHR 391034 - HYDRAULIC SYSTEM

Sample No: VCP434518
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 224285 DICKSON

PACWEST MACHINERY
8207 SOUTH 216TH STREET
KENT, WA
US 98032
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SAMPLE INFORMATION

Sample Number		**VCP434518**	---	---	---
Sample Date		**25 Oct 2023**	---	---	---
Machine Hours		**1079**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**43.8**	---	---	---
Acid Number (AN)	mg KOH/g	**0.71**	---	---	---

CONTAMINATION

Particles >4µm		**16234**	---	---	---
Particles >6µm		**866**	---	---	---
Particles >14µm		**9**	---	---	---
ISO 4406:1999 (c)		**21/17/10**	---	---	---
Silicon	ppm	**1**	---	---	---
Sodium	ppm	**0**	---	---	---
Potassium	ppm	**<1**	---	---	---

WEAR METALS

Iron	ppm	**4**	---	---	---
Copper	ppm	**6**	---	---	---
Lead	ppm	**0**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**<1**	---	---	---
Chromium	ppm	**<1**	---	---	---
Molybdenum	ppm	**0**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**0**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**44**	---	---	---
Magnesium	ppm	**1**	---	---	---
Zinc	ppm	**404**	---	---	---
Phosphorus	ppm	**327**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**0**	---	---	---

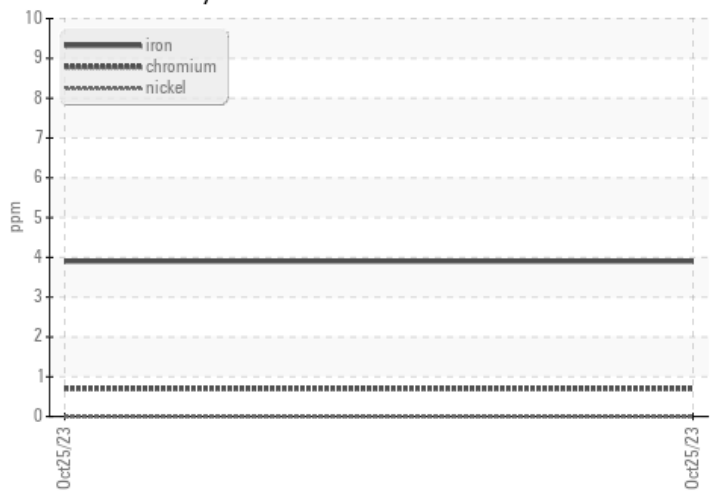
Diagnosis

Resample at the next service interval to monitor. (looking for packing material & brass in hyd.).All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

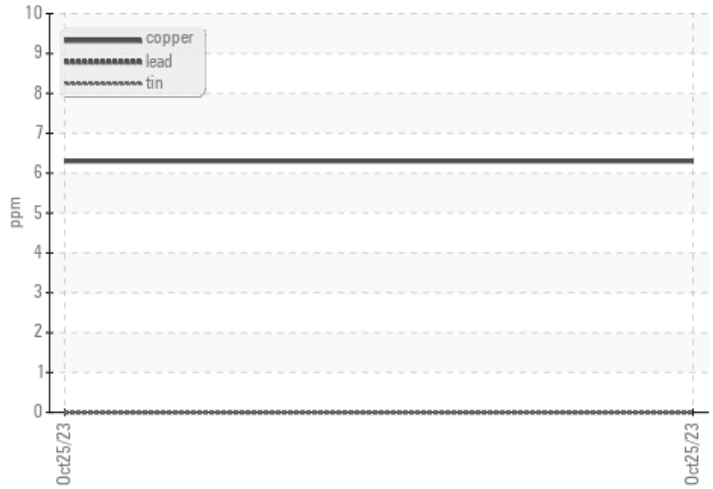
Depot: VOLVO1271
Unique No: 10723877
Signed: Don Baldridge
Report Date: 02 Nov 2023

GRAPHS

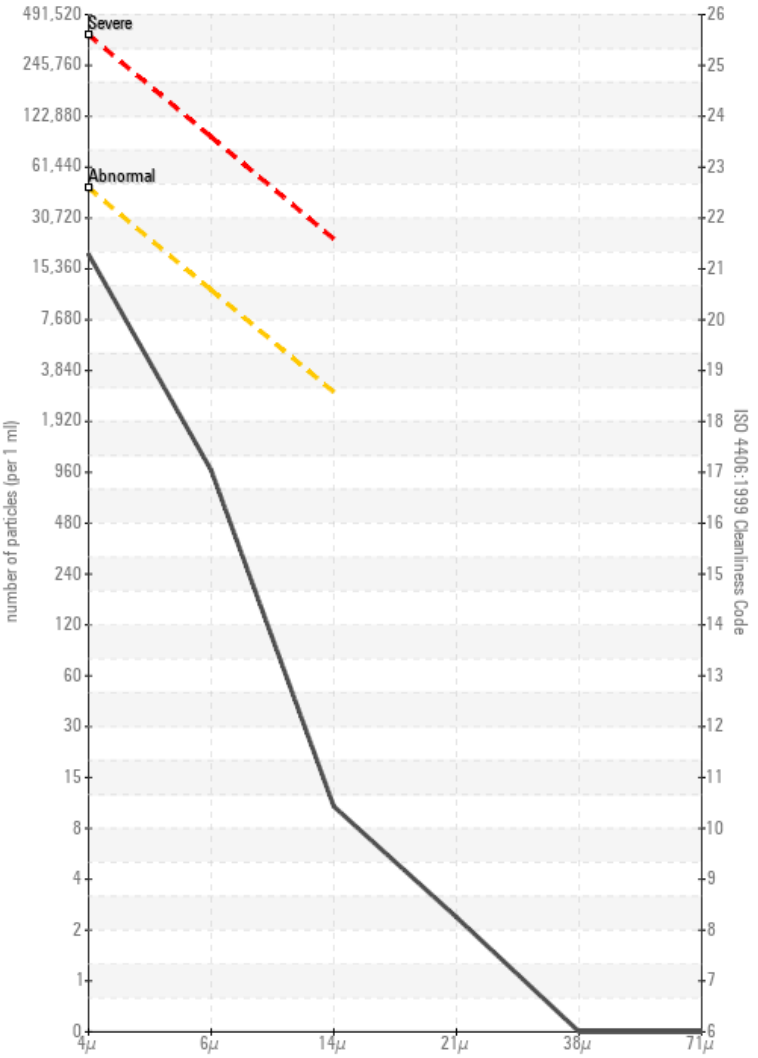
Ferrous Alloys



Non-ferrous Metals



Particle Count



Viscosity @ 40°C

Acid Number