



CONSTRUCTION EQUIPMENT

SW-21056-2 CASTLE VA VOLVO ECR355E 314373 - HYDRAULIC SYSTEM



Sample No: VCP426868
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SW-21056-2 CASTLE VA



SAMPLE INFORMATION

Sample Number	VCP426868	---	---	---
Sample Date	05 Jul 2023	---	---	---
Machine Hours	1810	---	---	---
Oil Hours	1810	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ARNOLD MACHINERY COMPANY
 2975 WEST 2100 SOUTH
 SALT LAKE CITY, UT
 US 84119
 Contact: TONY PAYAN
 tpayan@arnoldmachinery.com
 T: (801)972-4000
 F: (801)975-9434



OIL CONDITION

Visc @ 40°C	cSt	█ 41.7	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.52	---	---	---



CONTAMINATION

Particles >4µm		█ 514	---	---	---
Particles >6µm		█ 77	---	---	---
Particles >14µm		█ 9	---	---	---
ISO 4406:1999 (c)		16/13/10	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ <1	---	---	---



ADDITIVES

Calcium	ppm	█ 105	---	---	---
Magnesium	ppm	█ 16	---	---	---
Zinc	ppm	█ 498	---	---	---
Phosphorus	ppm	█ 390	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO8770
Unique No: 10559881
Signed: Wes Davis
Report Date: 17 Jul 2023

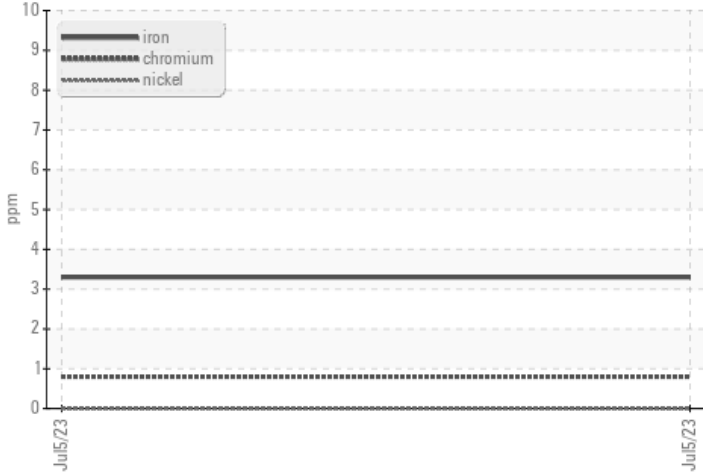


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GRAPHS

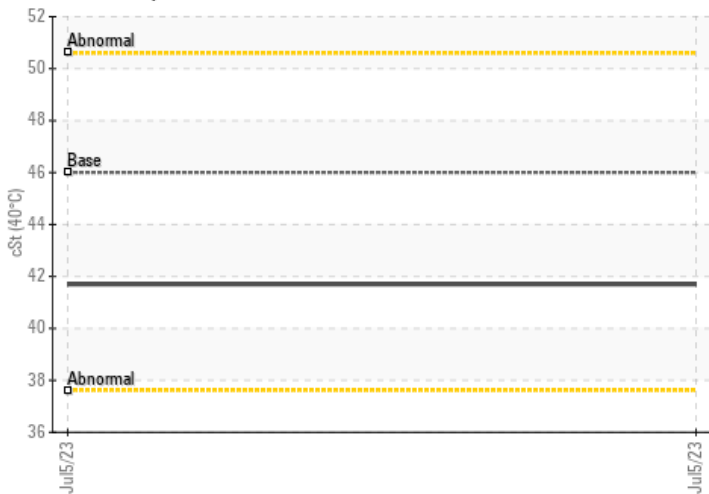
Ferrous Alloys



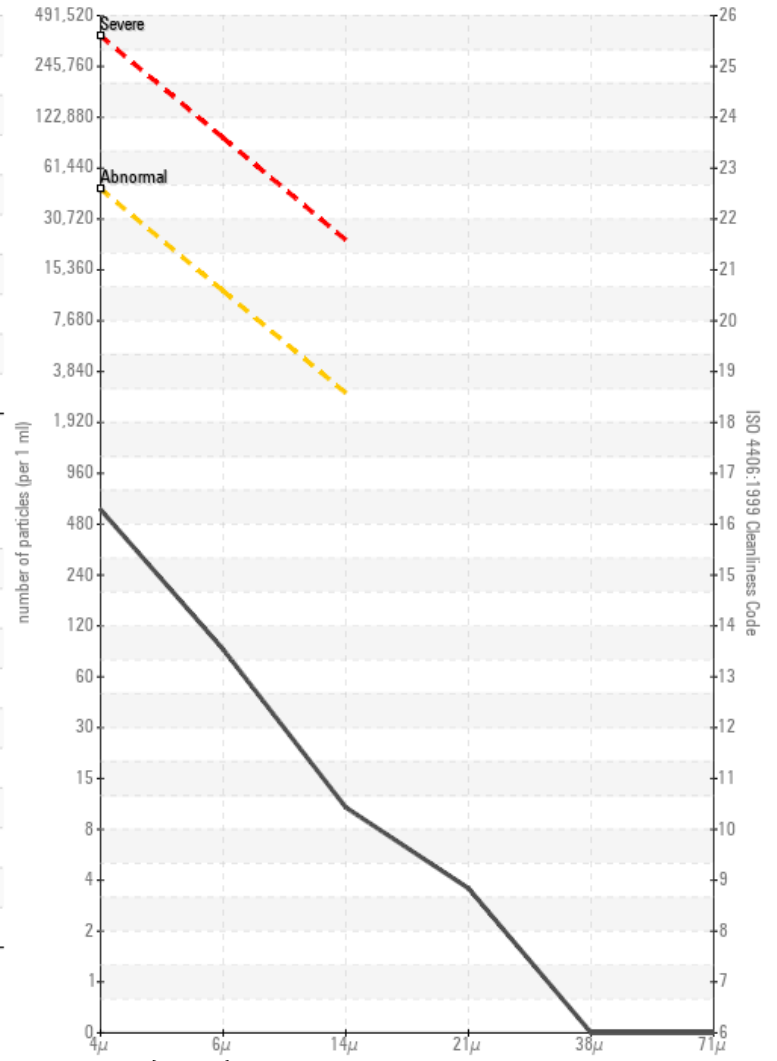
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

