



CONSTRUCTION EQUIPMENT

RENT VOLVO EC750EL 314074 - HYDRAULIC SYSTEM



Sample No: VCP379450
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: RENT



ARNOLD MACHINERY COMPANY
 3330 NORTH YELLOWSTONE HIGHWAY
 IDAHO FALLS, ID
 US 83401
 Contact: JASON MERRILL
 jmerrill@arnoldmachinery.com
 T: (208)523-0822
 F: (208)523-9918

SAMPLE INFORMATION

Sample Number	VCP379450	VCP283210	---	---
Sample Date	19 Jan 2023	01 Jul 2022	---	---
Machine Hours	2963	1976	---	---
Oil Hours	2000	1976	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 40.2	█ 40.2	---	---
Acid Number (AN)	mg KOH/g	█ 0.44	█ 0.53	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 82067	● 51309	---	---
Particles >6µm		█ 5480	█ 5130	---	---
Particles >14µm		█ 45	█ 38	---	---
ISO 4406:1999 (c)		24/20/13	23/20/12	---	---
Silicon	ppm	█ 3	█ 3	---	---
Sodium	ppm	█ 0	█ 0	---	---
Potassium	ppm	█ 1	█ <1	---	---

WEAR METALS

Iron	ppm	█ 8	█ 5	---	---
Copper	ppm	█ 17	█ 12	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	<1	---	---
Aluminum	ppm	█ 0	█ <1	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ 1	1	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	0	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	707	561	---	---
Magnesium	ppm	█ 15	16	---	---
Zinc	ppm	█ 617	596	---	---
Phosphorus	ppm	█ 483	463	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 0	18	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0077
Unique No: 10311615
Signed: Don Baldrige
Report Date: 30 Jan 2023

VOLVO **GRAPHS**

