



CONSTRUCTION EQUIPMENT

X48492 KOBELCO SK45SRX 022121 - HYDRAULIC SYSTEM



Sample No: VCP430715
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: X48492



SAMPLE INFORMATION

Sample Number	VCP430715	---	---	---
Sample Date	12 Feb 2024	---	---	---
Machine Hours	2462	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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 US 70616
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OIL CONDITION

Visc @ 40°C	cSt	█ 49.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.37	---	---	---

Water	%	NEG	---	---	---
Particles >4µm		▲ 41315	---	---	---
Particles >6µm		▲ 4532	---	---	---
Particles >14µm		▲ 278	---	---	---
ISO 4406:1999 (c)		23/19/15	---	---	---



CONTAMINATION

Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 22	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 127	---	---	---
Magnesium	ppm	█ 15	---	---	---
Zinc	ppm	█ 360	---	---	---
Phosphorus	ppm	█ 270	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 3	---	---	---

Depot: VOLVO6244
Unique No: 10884557
Signed: Don Baldrige
Report Date: 19 Feb 2024



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VOLVO GRAPHS

