



CONSTRUCTION EQUIPMENT

X28301 CASE CX350D DAC350K7NMS7P1614 - DIESEL ENGINE



Sample No: VCP381279
Oil Type: NOT GIVEN
Job No: X28301



SAMPLE INFORMATION

Sample Number	VCP381279	---	---	---
Sample Date	06 Nov 2023	---	---	---
Machine Hours	2480	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

SCOTT EQUIPMENT COMPANY LLC - Shreveport
945 NORTH MARKET STREET
SHREVEPORT, LA
US 71107-6744
Contact: KENNY COLEMAN
kcoleman@scottcompanies.com
T: (318)226-9696
F: (318)698-2295



OIL CONDITION

Visc @ 100°C	cSt	9.2	---	---	---
Base Number (BN)	mg KOH/g	7.7	---	---	---
Oxidation (PA)	%	52	---	---	---



CONTAMINATION

Soot %	%	1.4	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	10.6	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	5	---	---	---



WEAR METALS

Iron	ppm	30	---	---	---
Copper	ppm	132	---	---	---
Lead	ppm	4	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	21	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	64	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1741	---	---	---
Magnesium	ppm	334	---	---	---
Zinc	ppm	968	---	---	---
Phosphorus	ppm	881	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	163	---	---	---

Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 20 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. Aluminum ppm levels are abnormal. Piston wear is indicated. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO2603
Unique No: 10729744
Signed: Wes Davis
Report Date: 09 Nov 2023

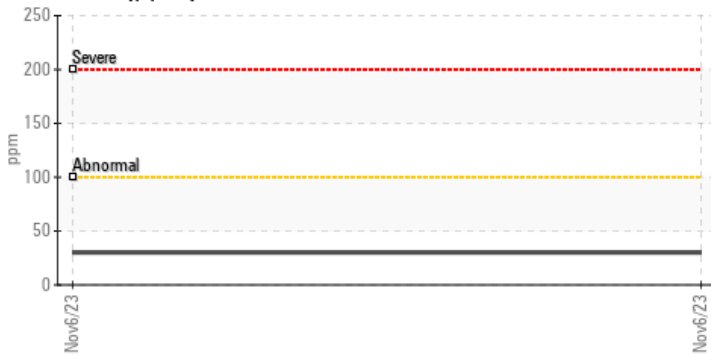


CONSTRUCTION EQUIPMENT



GRAPHS

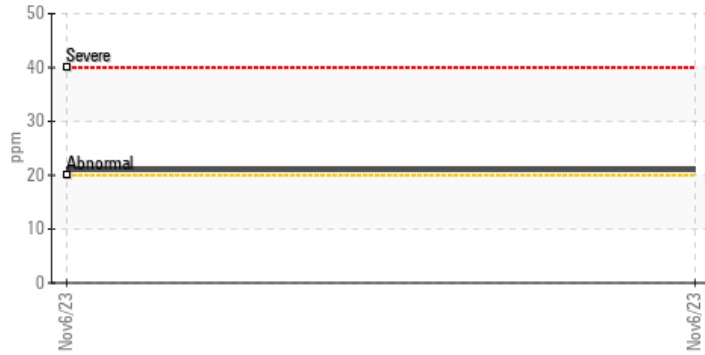
Iron (ppm)



Lead (ppm)



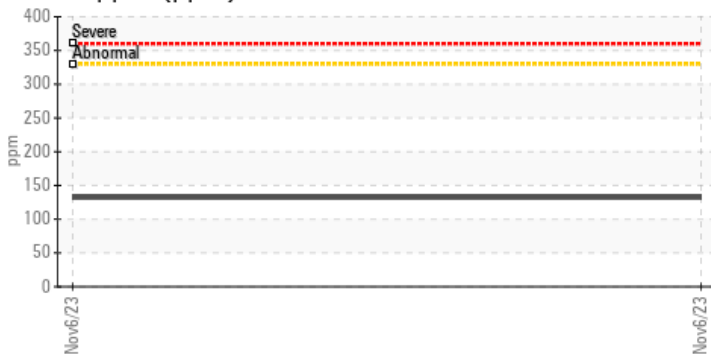
Aluminum (ppm)



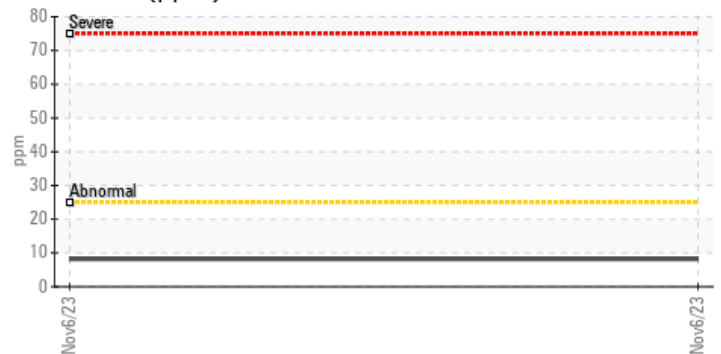
Chromium (ppm)



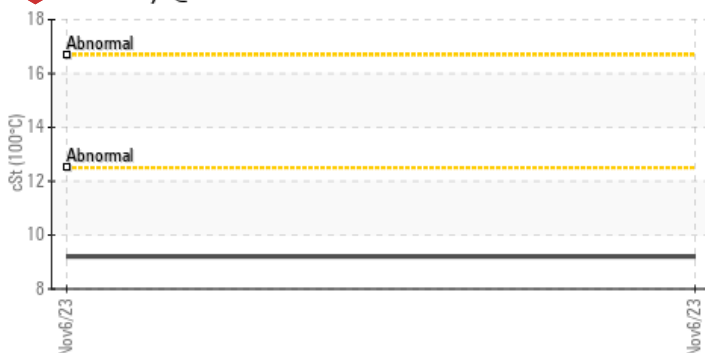
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

