



CONSTRUCTION EQUIPMENT

61519 TRANS STATE INGERSOLL RAND P375 287893 - AIR END - DIESEL ENGINE



Sample No: VCP420614
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 61519 TRANS STATE



SAMPLE INFORMATION

Sample Number	VCP420614	---	---	---
Sample Date	16 Feb 2024	---	---	---
Machine Hours	3817	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	9.5	---	---	---
Base Number (BN)	mg KOH/g	6.0	---	---	---
Oxidation (PA)	%	49	---	---	---

Diagnosis

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. 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 due to the presence of contaminants.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	64	---	---	---
Sulfation (PA)	%	48	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	19.7	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	<1	---	---	---

WEAR METALS

Iron	ppm	17	---	---	---
Copper	ppm	8	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	4	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1709	---	---	---
Magnesium	ppm	17	---	---	---
Zinc	ppm	839	---	---	---
Phosphorus	ppm	737	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	2	---	---	---

Depot: VOLVO0016
Unique No: 10886746
Signed: Wes Davis
Report Date: 21 Feb 2024



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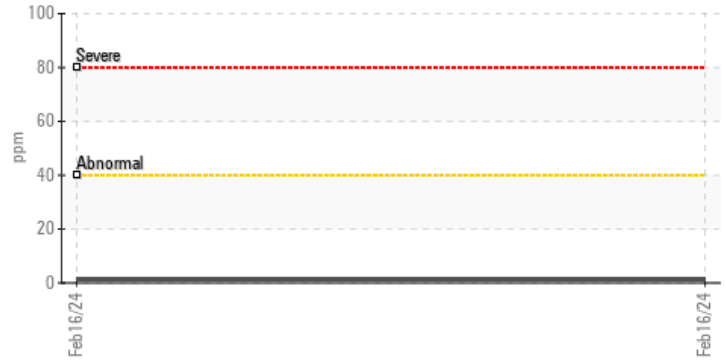


GRAPHS

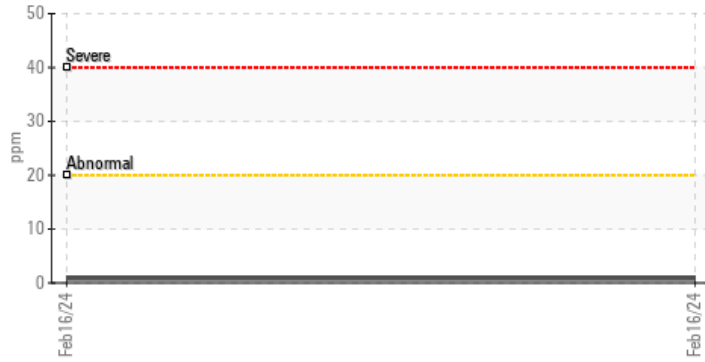
Iron (ppm)



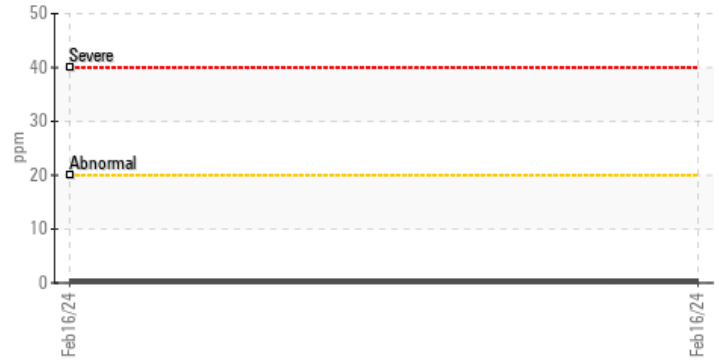
Lead (ppm)



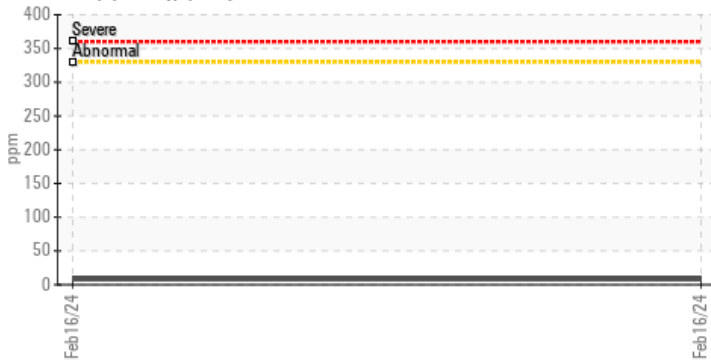
Aluminum (ppm)



Chromium (ppm)



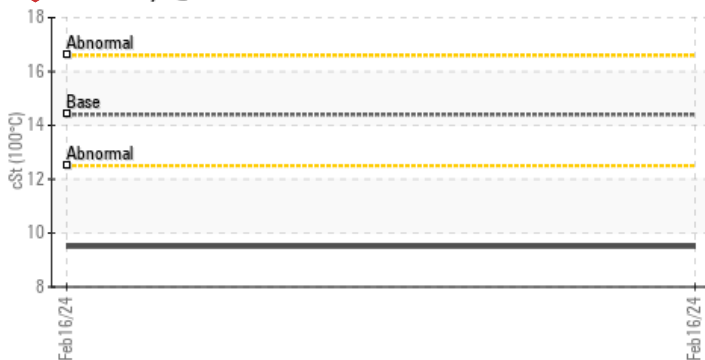
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

