



CONSTRUCTION EQUIPMENT

473409 TITAN VOLVO L90H 626595 - DIESEL ENGINE



Sample No: VCP439294
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 473409 TITAN



SAMPLE INFORMATION

Sample Number	VCP439294	---	---	---
Sample Date	01 Feb 2024	---	---	---
Machine Hours	807	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
 9601 BOGGY CREEK RD
 ORLANDO, FL
 US 32824
 Contact: Robert LaPlante
 robert.laplante@altg.com
 T: (407)508-9736
 F: (407)659-8720



OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	78	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	67	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 34	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 28	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 47	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1526	---	---	---
Magnesium	ppm	█ 566	---	---	---
Zinc	ppm	█ 1119	---	---	---
Phosphorus	ppm	█ 1006	---	---	---
Barium	ppm	27	---	---	---
Boron	ppm	█ 43	---	---	---

Depot: VOLVO0096
Unique No: 10872014
Signed: Wes Davis
Report Date: 12 Feb 2024

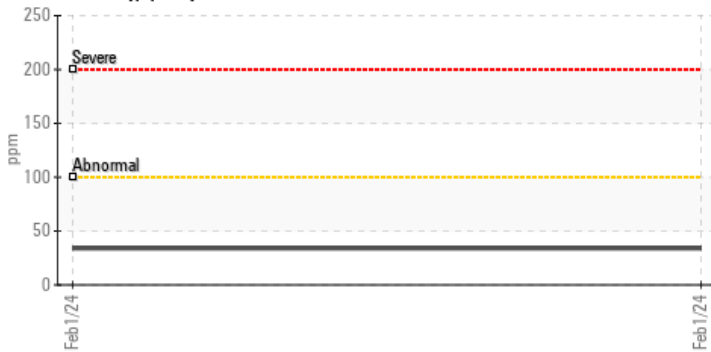


CONSTRUCTION EQUIPMENT

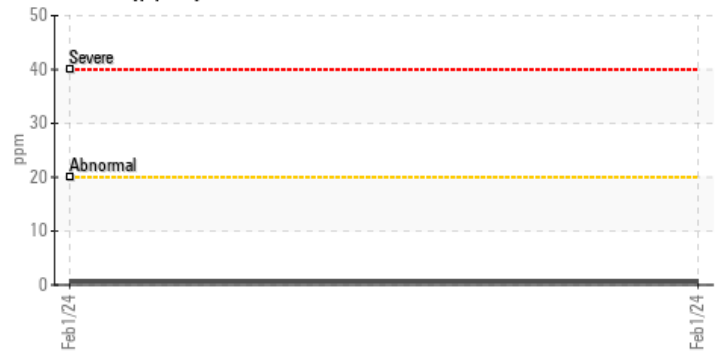


GRAPHS

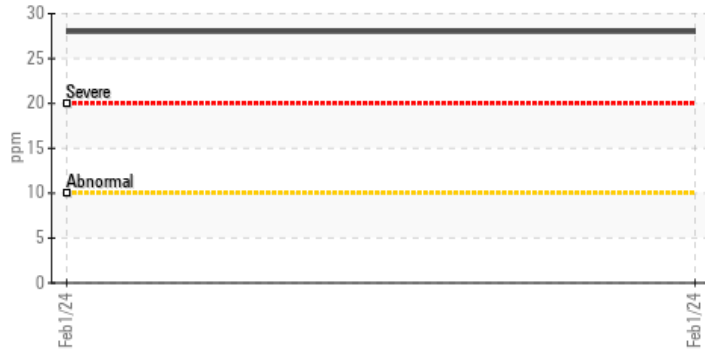
Iron (ppm)



Lead (ppm)



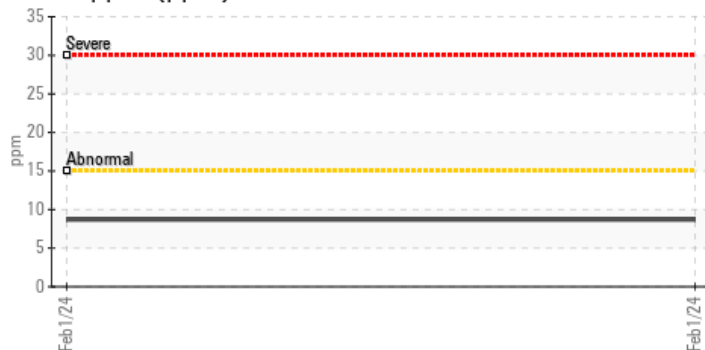
Aluminum (ppm)



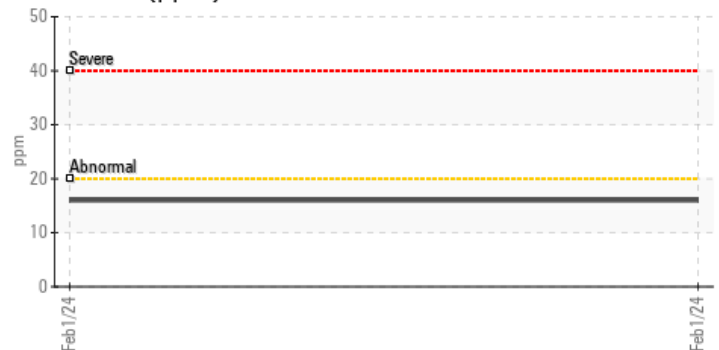
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

