



CONSTRUCTION EQUIPMENT

SWA428896-10 KENWORTH T280 2375 10 - DIESEL ENGINE



Sample No: VCP409093
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SWA428896-10



SAMPLE INFORMATION

Sample Number	VCP409093	---	---	---
Sample Date	05 Dec 2023	---	---	---
Machine Hours	5911	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
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 T:
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	71	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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 %	%	█ 0.2	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 28	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 37	---	---	---



WEAR METALS

Iron	ppm	█ 60	---	---	---
Copper	ppm	█ 23	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 36	---	---	---
Chromium	ppm	█ 7	---	---	---
Molybdenum	ppm	█ 91	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1458	---	---	---
Magnesium	ppm	█ 599	---	---	---
Zinc	ppm	█ 927	---	---	---
Phosphorus	ppm	█ 736	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 233	---	---	---

Depot: VOLVO2990
Unique No: 10780120
Signed: Wes Davis
Report Date: 12 Dec 2023

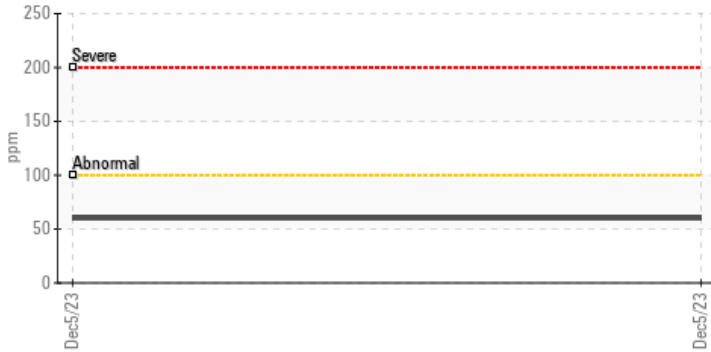


CONSTRUCTION EQUIPMENT



GRAPHS

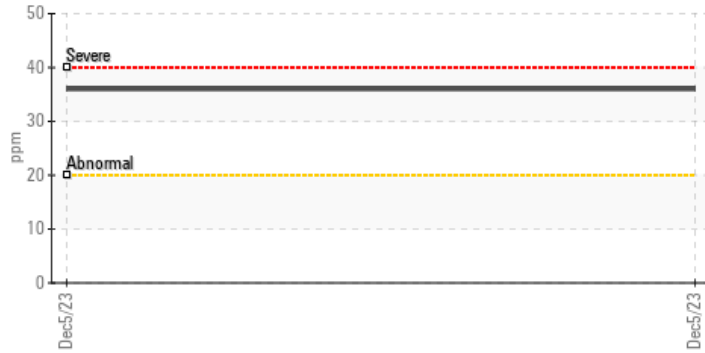
Iron (ppm)



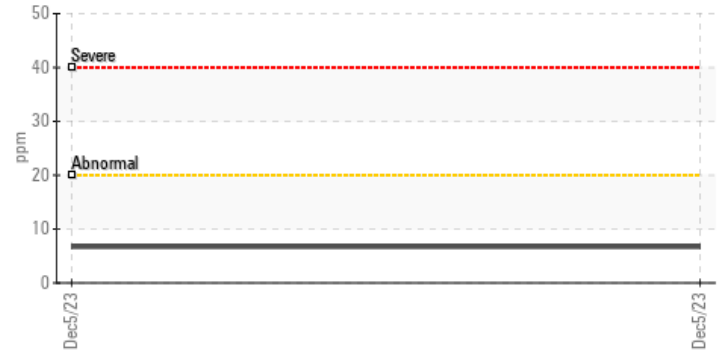
Lead (ppm)



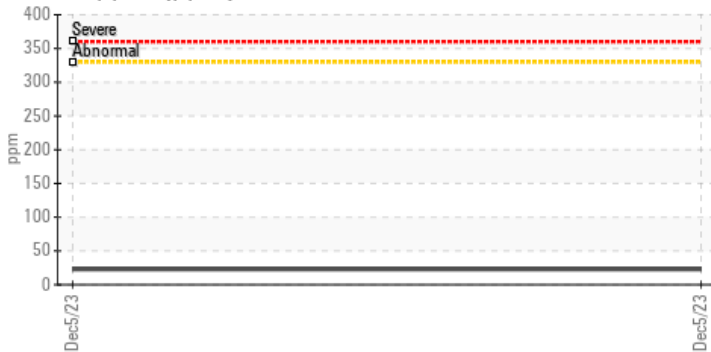
Aluminum (ppm)



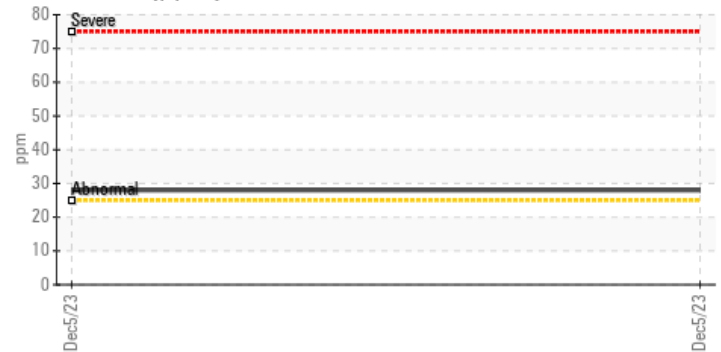
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

