



CONSTRUCTION EQUIPMENT

X47408 TADANO GR350XL-3 5623 18 - DIESEL ENGINE



Sample No: VCP418965
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: X47408



SAMPLE INFORMATION

Sample Number	VCP418965	VCP379160	---	---
Sample Date	21 Aug 2023	02 Aug 2022	---	---
Machine Hours	1475	427	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.6	---	---
Base Number (BN)	mg KOH/g	8.2	8.5	---	---
Oxidation (PA)	%	86	71	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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

Soot %	%	0.2	0.1	---	---
Nitration (PA)	%	78	68	---	---
Sulfation (PA)	%	60	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	13	40	---	---
Sodium	ppm	5	0	---	---
Potassium	ppm	3	6	---	---



WEAR METALS

Iron	ppm	27	32	---	---
Copper	ppm	142	43	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	12	6	---	---
Chromium	ppm	2	<1	---	---
Molybdenum	ppm	43	64	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	2	4	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1888	1767	---	---
Magnesium	ppm	512	374	---	---
Zinc	ppm	1154	1220	---	---
Phosphorus	ppm	949	1008	---	---
Barium	ppm	0	12	---	---
Boron	ppm	40	145	---	---

Depot: VOLVO6244
Unique No: 10621102
Signed: Wes Davis
Report Date: 28 Aug 2023

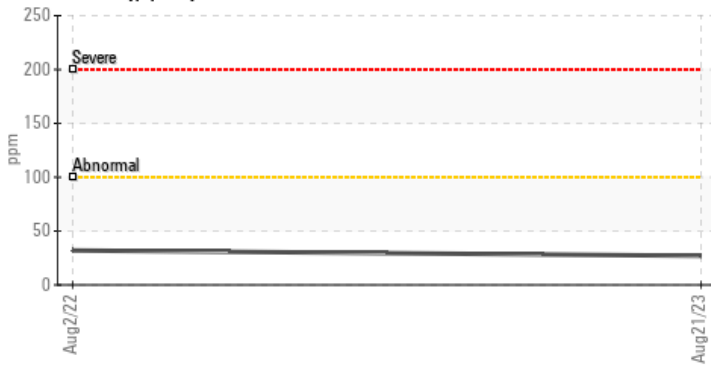


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GRAPHS

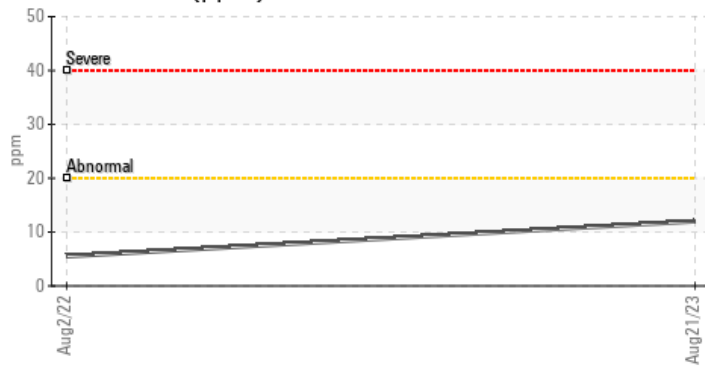
Iron (ppm)



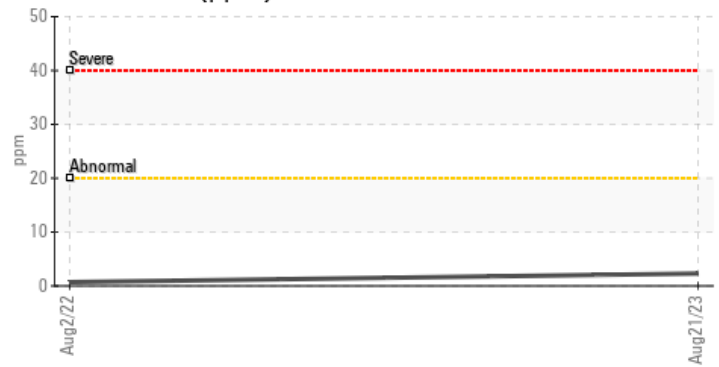
Lead (ppm)



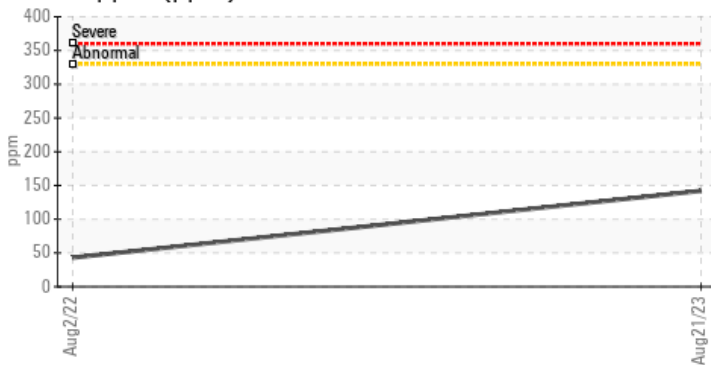
Aluminum (ppm)



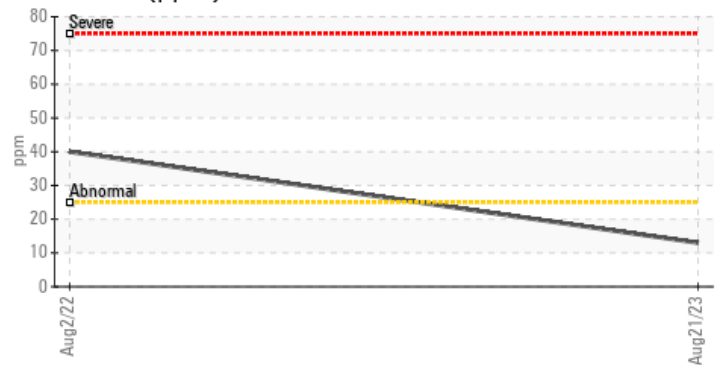
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

