



CONSTRUCTION EQUIPMENT

567789 DCF TAKEUCHI TB260 126104825 - DIESEL ENGINE



Sample No: VCP425454
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 567789 DCF



SAMPLE INFORMATION

Sample Number	VCP425454	VCP386594	---	---
Sample Date	26 Jun 2023	15 Nov 2022	---	---
Machine Hours	1588	1205	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.9	13.2	---	---
Base Number (BN)	mg KOH/g	9.9	10.4	---	---
Oxidation (PA)	%	76	96	---	---

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 %	%	0.8	1.1	---	---
Nitration (PA)	%	78	94	---	---
Sulfation (PA)	%	61	73	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	5	12	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	5	43	---	---



WEAR METALS

Iron	ppm	23	59	---	---
Copper	ppm	5	31	---	---
Lead	ppm	0	2	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	1	5	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	61	73	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1375	1966	---	---
Magnesium	ppm	925	399	---	---
Zinc	ppm	1321	1083	---	---
Phosphorus	ppm	1062	856	---	---
Barium	ppm	0	0	---	---
Boron	ppm	8	38	---	---

Depot: VOLVO0096
Unique No: 10536815
Signed: Wes Davis
Report Date: 02 Jul 2023

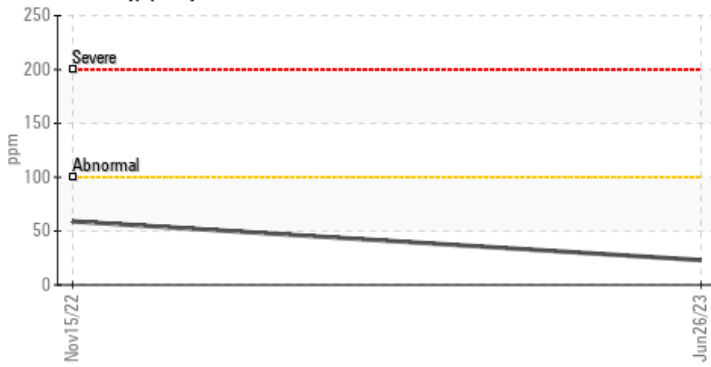


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GRAPHS

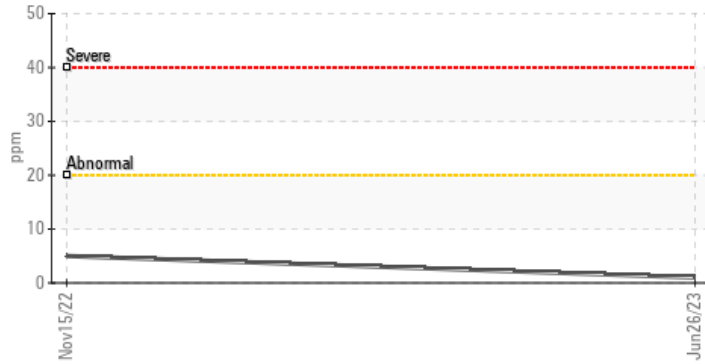
Iron (ppm)



Lead (ppm)



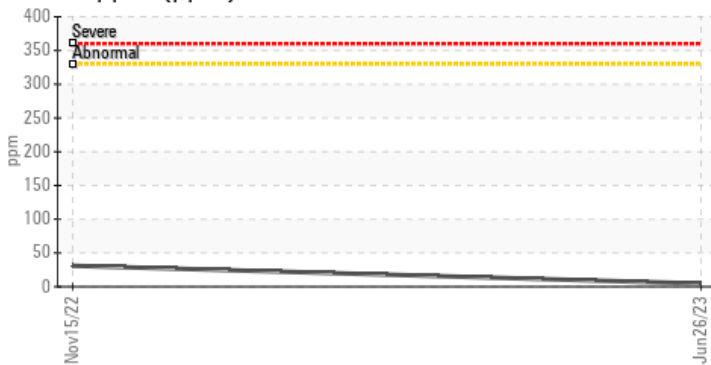
Aluminum (ppm)



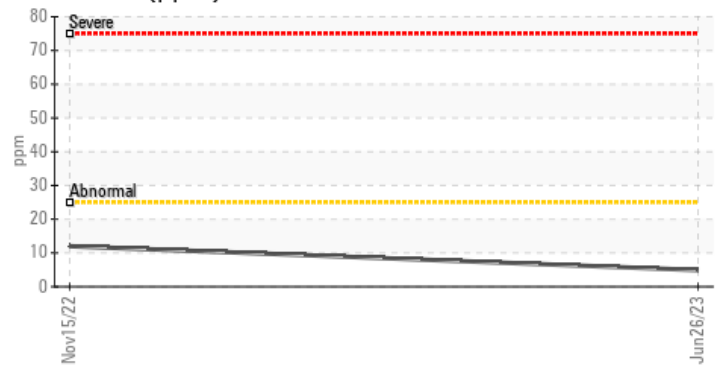
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

