



CONSTRUCTION EQUIPMENT

687089 DIPRO MCCLOSKEY S130 91239 - DIESEL ENGINE



Sample No: VCP438824
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 687089 DIPRO



SAMPLE INFORMATION

Sample Number	VCP438824	VCP426802	---	---
Sample Date	27 Mar 2024	11 Apr 2023	---	---
Machine Hours	2060	1397	---	---
Oil Hours	500	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
Contact: PAUL CONZ
paul.conz@altg.com
T: (313)348-8861
F: (248)356-2029



OIL CONDITION

Visc @ 100°C	cSt	12.8	12.2	---	---
Base Number (BN)	mg KOH/g	4.6	8.3	---	---
Oxidation (PA)	%	112	75	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 acceptable for the time in service.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	118	72	---	---
Sulfation (PA)	%	74	63	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	0.2	---	---
Silicon	ppm	4	5	---	---
Sodium	ppm	4	2	---	---
Potassium	ppm	3	0	---	---



WEAR METALS

Iron	ppm	54	28	---	---
Copper	ppm	6	11	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	6	4	---	---
Chromium	ppm	1	0	---	---
Molybdenum	ppm	46	114	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1627	1630	---	---
Magnesium	ppm	600	618	---	---
Zinc	ppm	1086	997	---	---
Phosphorus	ppm	945	802	---	---
Barium	ppm	0	0	---	---
Boron	ppm	25	294	---	---

Depot: VOLVO2990
Unique No: 10968714
Signed: Angela Borella
Report Date: 12 Apr 2024

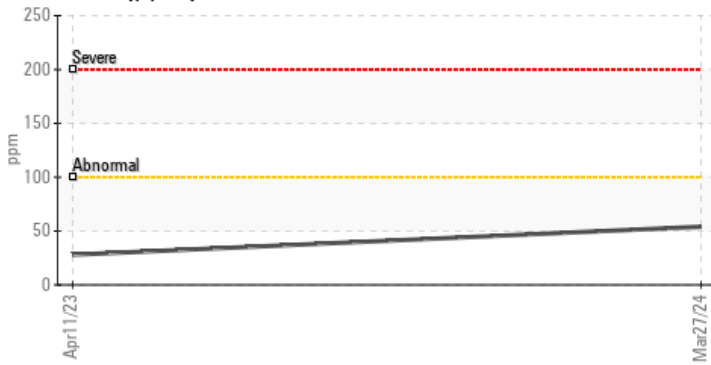


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GRAPHS

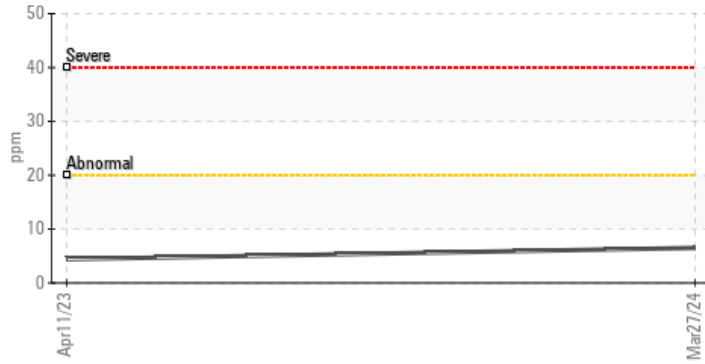
Iron (ppm)



Lead (ppm)



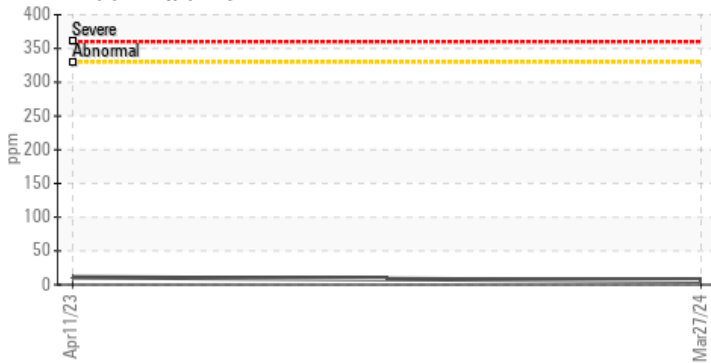
Aluminum (ppm)



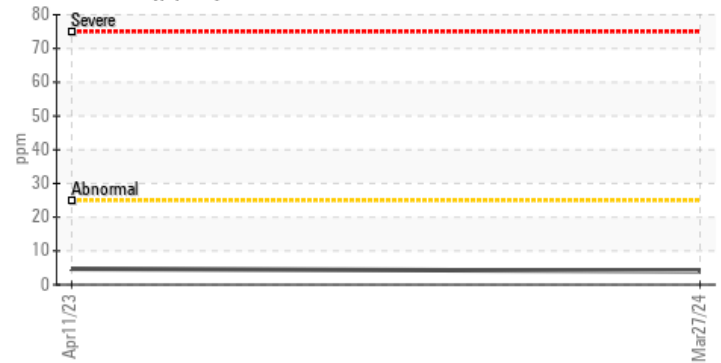
Chromium (ppm)



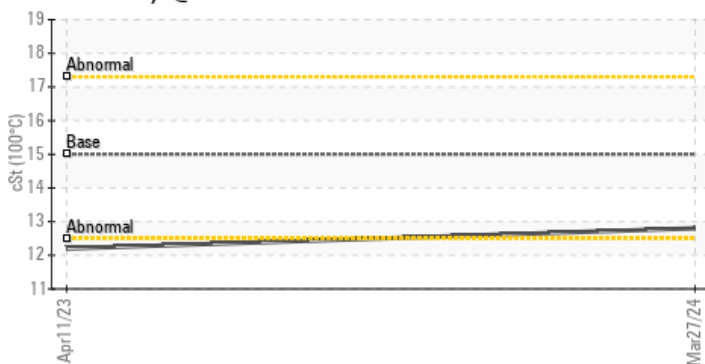
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

