



CONSTRUCTION EQUIPMENT

SW27820 WALTERS VOLVO L150 13278 - DIESEL ENGINE



Sample No: VCP430507
Oil Type: MOBIL 15W40
Job No: SW27820 WALTERS



SAMPLE INFORMATION

Sample Number	VCP430507	VCP064319	---	---
Sample Date	14 Dec 2023	26 May 2008	---	---
Machine Hours	14408	313	---	---
Oil Hours	7	313	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.4	12.5	---	---
Base Number (BN)	mg KOH/g	9.4	---	---	---
Oxidation (PA)	%	52	51	---	---

Diagnosis

We recommend an early resample to monitor this condition. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Additive levels indicate the addition of a different brand, or type of oil.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	36	55	---	---
Sulfation (PA)	%	49	50	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	1.1	<1.0	---	---
Silicon	ppm	4	11	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	4	0	---	---



WEAR METALS

Iron	ppm	<1	6	---	---
Copper	ppm	<1	7	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	1	0	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	52	0	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	▲ 915	2095	---	---
Magnesium	ppm	837	247	---	---
Zinc	ppm	1127	1120	---	---
Phosphorus	ppm	▲ 941	1114	---	---
Barium	ppm	0	0	---	---
Boron	ppm	7	0	---	---

Depot: VOLVO0077
Unique No: 10795626
Signed: Jonathan Hester
Report Date: 27 Dec 2023

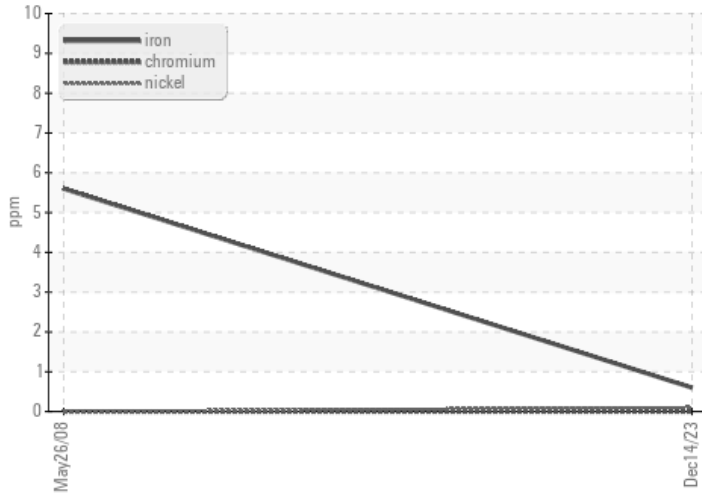


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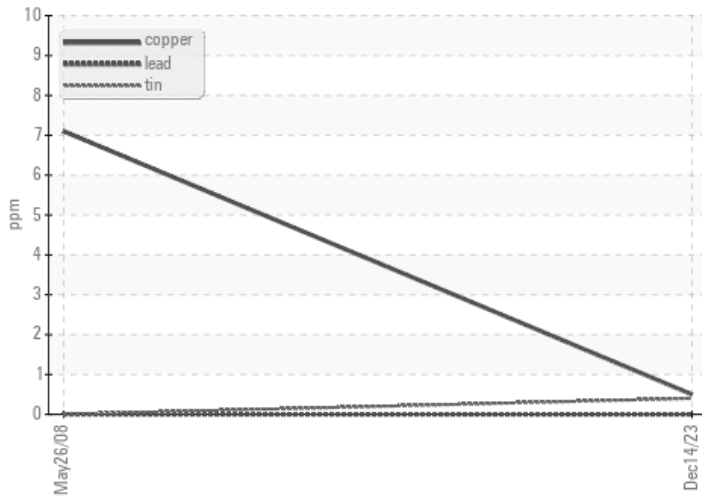


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Base Number

