



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[25679]

Machine Id

VOLVO G930 40230

Component

Diesel Engine

Fluid

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP453720	VCP206672	---
Sample Date		Client Info		16 May 2024	07 Dec 2007	---
Machine Age	hrs	Client Info		6925	698	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	6	47	---
Chromium	ppm	ASTM D5185m	>10	0	8	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>10	2	2	---
Lead	ppm	ASTM D5185m	>20	0	4	---
Copper	ppm	ASTM D5185m	>15	2	18	---
Tin	ppm	ASTM D5185m	>10	1	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

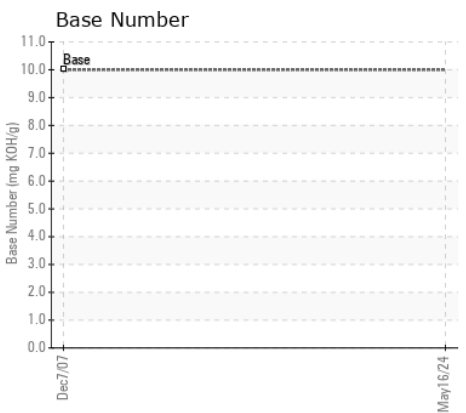
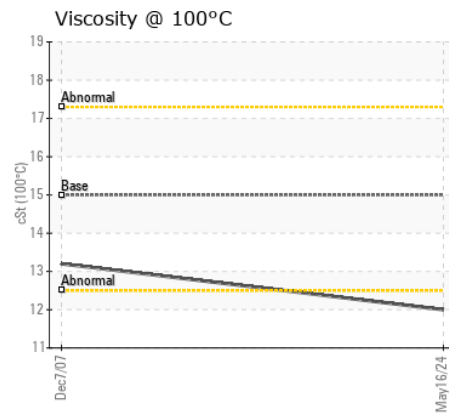
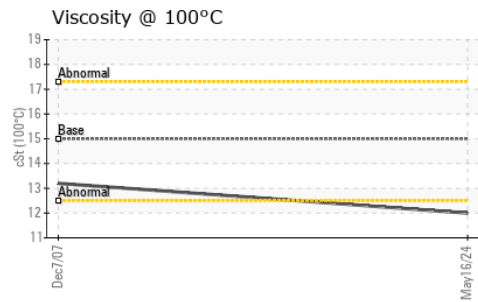
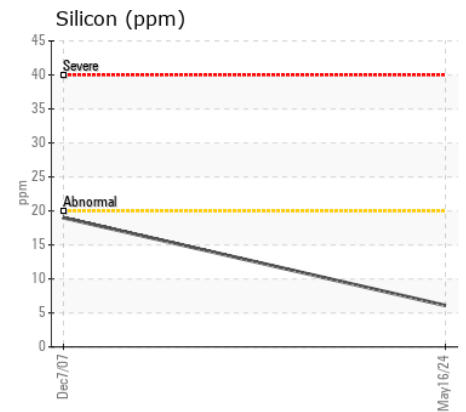
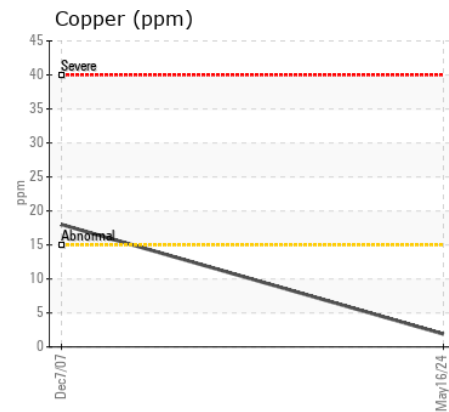
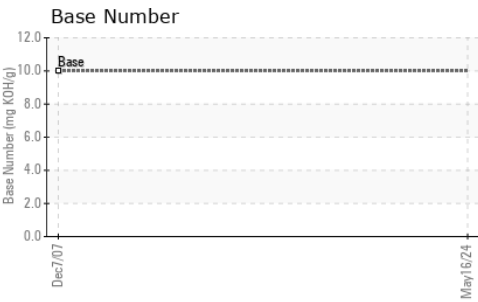
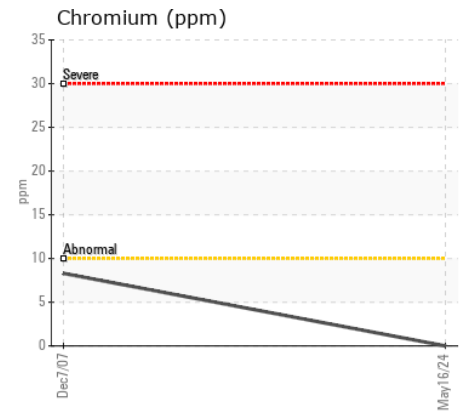
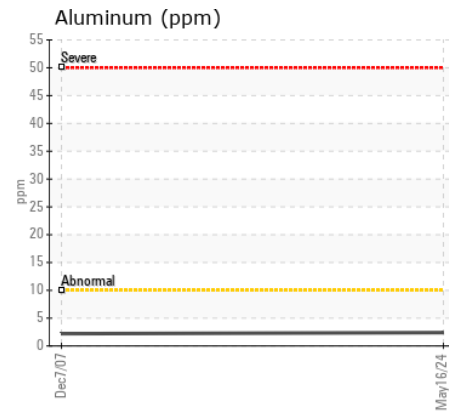
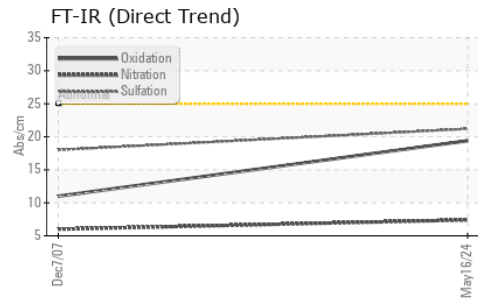
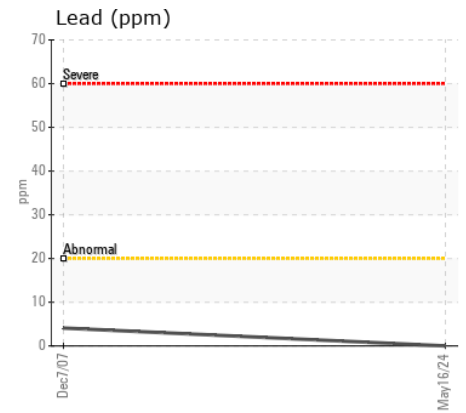
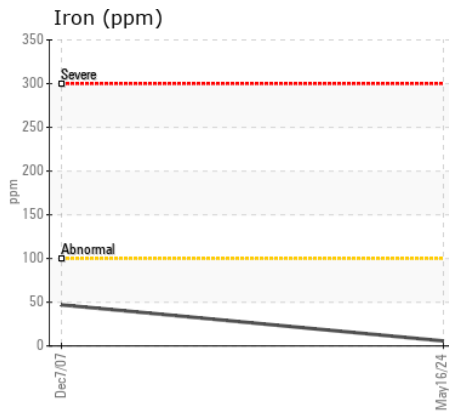
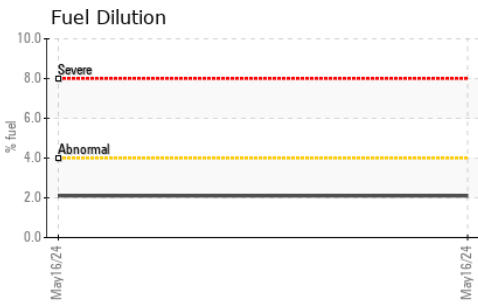
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185m	>20	6	19	---
Potassium	ppm	ASTM D5185m	>20	<1	6	---
Fuel	%	ASTM D3524	>4.0	2.1	<1.0	---
Water		WC Method	>0.1	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.3	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	7.4	6.	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2	18.	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		3	4	---
Boron	ppm	ASTM D5185m	2.5	56	15	---
Barium	ppm	ASTM D5185m	0.0	0	1	---
Molybdenum	ppm	ASTM D5185m	0.7	44	2	---
Manganese	ppm	ASTM D5185m	0.0	<1	5	---
Magnesium	ppm	ASTM D5185m	256	510	155	---
Calcium	ppm	ASTM D5185m	2057	1642	2806	---
Phosphorus	ppm	ASTM D5185m	935	957	1065	---
Zinc	ppm	ASTM D5185m	1223	1114	1268	---
Sulfur	ppm	ASTM D5185m	4079	3532	4090	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.4	11.	---
Base Number (BN)	mg KOH/g	ASTM D2896	10	9.1	---	---
Visc @ 100°C	cSt	ASTM D445	15.0	12.0	13.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP453720 **Received** : 21 May 2024
Lab Number : 06185793 **Tested** : 24 May 2024
Unique Number : 11042545 **Diagnosed** : 24 May 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel, TBN)

218 - ASCENDUM MACHINERY INC - N. CHARLESTON
 7235 CROSS COUNTRY RD.
 NORTH CHARLESTON, SC
 US 29418
 Contact: MATT MITCHAM
 matt.mitcham@ascendummachinery.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
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