

Machine Id

History1

History2

VCP432560 VCP432558

05 Dec 2023 05 Dec 2023

VOLVO A45G 752046 Diesel Engine

DIESEL ENGINE OIL SAE 30 (--- GAL) RECOMMENDATION Test UOM Method Limit/Abn Current Client Info ASC0002543 Sample Number Resample at the next service interval to monitor. The fluid was not 03 Apr 2024 Sample Date **Client Info** specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 30. Please confirm. WEAR Metal levels are typical for a new component breaking in.

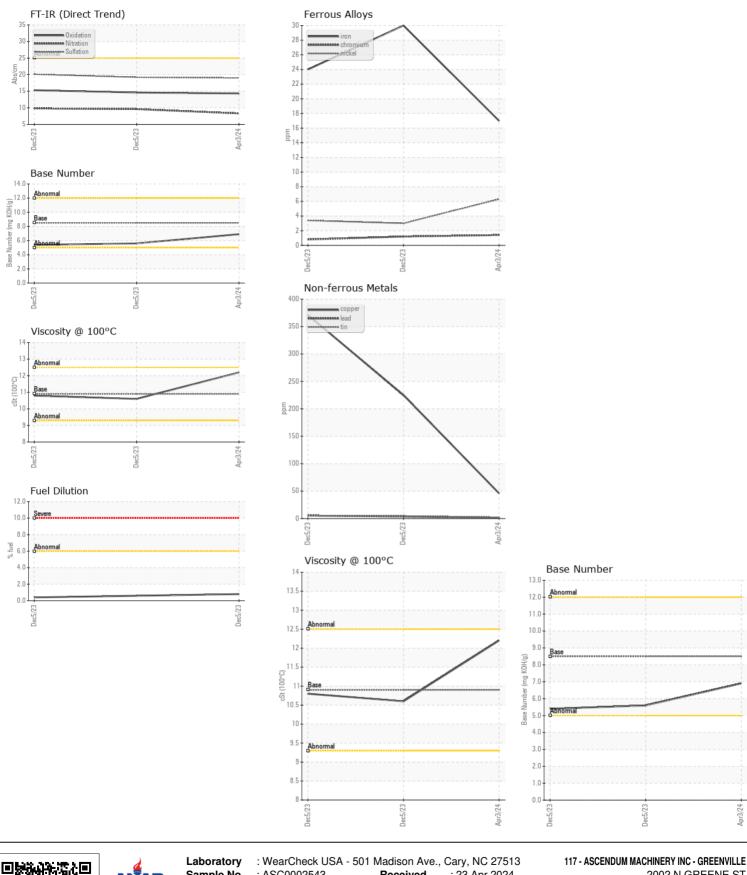
CONTAMINATION

There is no indication of any contamination in the oil.

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.

Sample Date		Client Into		03 Apr 2024	05 Dec 2023	05 Dec 2023
Machine Age	hrs	Client Info		657	657	657
Oil Age	hrs	Client Info		657	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL
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Iron	ppm	ASTM D5185m	>100	17	24	30
Chromium	ppm	ASTM D5185m	>20	1	<1	1
Nickel	ppm	ASTM D5185m	>2	6	3	3
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>25	3	2	3
Lead	ppm	ASTM D5185m	>40	2	5	4
Copper	ppm	ASTM D5185m	>330	46	A 371	225
Tin	ppm	ASTM D5185m	>15	2	5	5
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	5	26	28
Potassium	ppm	ASTM D5185m	>20	2	<1	1
Fuel	%	ASTM D3524	>6.0	<1.0	0.8	0.4
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.4	0.4	0.5
Nitration	Abs/cm	*ASTM D7624	>20	8.3	9.6	9.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.0	19.2	20.1
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>75	0	4	5
Boron	ppm	ASTM D5185m	250	2	31	31
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	61	81	86
Manganese	ppm	ASTM D5185m		1	2	2
Magnesium	ppm	ASTM D5185m	450	824	33	29
Calcium	ppm	ASTM D5185m	3000	1030	2424	2448
Phosphorus	ppm	ASTM D5185m	1150	848	1064	1056
Zinc	ppm	ASTM D5185m	1350	1080	1193	1217
Sulfur	ppm	ASTM D5185m	4250	2767	3800	3736
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.3	14.6	15.3
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	6.9	5.6	5.4
Visc @ 100°C	cSt	ASTM D445	10.9	12.2	10.6	10.8
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Sample No. : ASC0002543 Received 2002 N GREENE ST : 23 Apr 2024 GREENVILLE, NC Lab Number : 06157186 Tested : 24 Apr 2024 Unique Number : 10992609 Diagnosed : 24 Apr 2024 - Wes Davis US 27834 Test Package : CONST (Additional Tests: FuelDilution, TBN) Contact: Brandon Lewis Certificate L2367 brandon.lewis@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. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (704)494-8197

Submitted By: Service - Brandon Lewis Page 2 of 2