

OIL ANALYSIS REPORT

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Sample Rating Trend VISCOSITY Mandazz Deckarz Junkazza



VOLVO A45G 342713

Component

Diesel Engine

Fluid

MOBIL 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

L)		Ma	y2022	Dec2022 Jun20	124	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ML0001759	VCP367902	VCP251923
Sample Date		Client Info		03 Jun 2024	19 Dec 2022	04 May 2022
Machine Age	hrs	Client Info		6319	4826	4280
Oil Age	hrs	Client Info		0	500	0
Oil Changed	1110	Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method	7 0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	9	11	11
Chromium	ppm	ASTM D5185m		<1	<1	<1
Nickel	ppm	ASTM D5185m		0	1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m		7	4	4
Lead	ppm	ASTM D5185m	>40	0	2	2
Copper	ppm	ASTM D5185m		1	2	2
Tin	ppm	ASTM D5185m	>15	0	<1	1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		41	24	47
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		74	54	84
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		289	676	108
Calcium	ppm	ASTM D5185m		1936	1355	2311
Phosphorus	ppm	ASTM D5185m		1019	718	1103
Zinc	ppm	ASTM D5185m		1176	910	1239
Sulfur	ppm	ASTM D5185m		3956	2675	3565
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	5	4
Sodium	ppm	ASTM D5185m	>118	2	2	4
Potassium	ppm	ASTM D5185m	>20	0	<1	1
Fuel	%	ASTM D3524	>6.0	0.6	<1.0	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.8	0.4	0.5
Nitration	Abs/cm	*ASTM D7624	>20	10.6	9.7	10.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.6	19.7	23.2
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.5	16.5	17.1
Base Number (BN)	mg KOH/g	ASTM D2896		5.5	7.9	6.2



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Certificate 12367

Laboratory Sample No. Lab Number : 06199004

: ML0001759 Unique Number: 11061127

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 **Tested**

Received : 04 Jun 2024 Diagnosed

: 06 Jun 2024 : 06 Jun 2024 - Don Baldridge

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND 1345 MOUNTAIN ROAD GLEN ALLEN, VA US 23060 Contact: KYLE RATLIFFE

Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

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