

OIL ANALYSIS REPORT

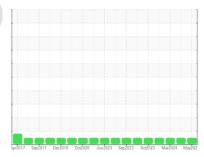


[W/O 10763] **VOLVO A40G 341427**

Component

Diesel Engine

Fluid MOBIL 15W40 (15 GAL)



Sample Rating Trend



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

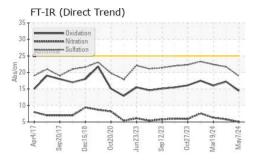
Fluid Condition

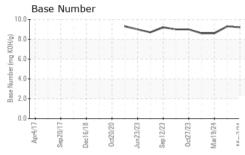
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

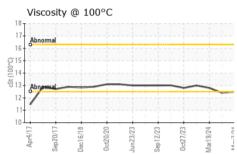
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SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		ML0001314	ML0000447	ML0000396			
Sample Date		Client Info		07 May 2024	16 Apr 2024	19 Mar 2024			
Machine Age	hrs	Client Info		11597	11524	11295			
Oil Age	hrs	Client Info		73	250	250			
Oil Changed		Client Info		Changed	Changed	Changed			
Sample Status				NORMAL	NORMAL	NORMAL			
CONTAMINATION		method	limit/base	current	history1	history2			
Fuel		WC Method	>6.0	<1.0	0.2	<1.0			
Water		WC Method	>0.2	NEG	NEG	NEG			
Glycol		WC Method		NEG	NEG	NEG			
WEAR METALS		method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>100	1	4	2			
Chromium	ppm	ASTM D5185m	>20	<1	<1	0			
Nickel	ppm	ASTM D5185m	>2	<1	1	0			
Titanium	ppm	ASTM D5185m		<1	<1	0			
Silver	ppm	ASTM D5185m	>2	0	<1	0			
Aluminum	ppm	ASTM D5185m	>25	2	2	3			
Lead	ppm	ASTM D5185m	>40	<1	1	0			
Copper	ppm	ASTM D5185m	>330	<1	1	<1			
Tin	ppm	ASTM D5185m	>15	<1	1	<1			
Vanadium	ppm	ASTM D5185m		<1	<1	0			
Cadmium	ppm	ASTM D5185m		<1	1	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m		70	220	323			
Barium	ppm	ASTM D5185m		2	0	0			
Molybdenum	ppm	ASTM D5185m		67	83	122			
Manganese	ppm	ASTM D5185m		<1	1	<1			
Magnesium	ppm	ASTM D5185m		686	545	668			
Calcium	ppm	ASTM D5185m		1277	1535	1495			
Phosphorus	ppm	ASTM D5185m		958	879	737			
Zinc	ppm	ASTM D5185m		1057	947	852			
Sulfur	ppm	ASTM D5185m		3141	3022	2916			
CONTAMINANTS		method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>25	4	5	4			
Sodium	ppm	ASTM D5185m	>118	0	2	4			
Potassium	ppm	ASTM D5185m	>20	2	2	2			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1			
Nitration	Abs/cm	*ASTM D7624	>20	5.0	5.8	6.3			
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.9	21.7	22.4			
FLUID DEGRADAT	ΓΙΟΝ	method	limit/base	current	history1	history2			
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	17.2	16.0			
Base Number (BN)	mg KOH/g	ASTM D2896		9.2	9.3	8.6			
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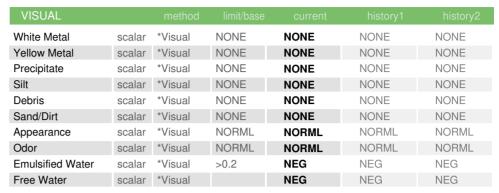


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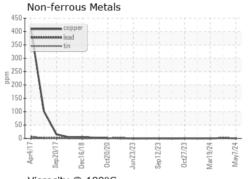


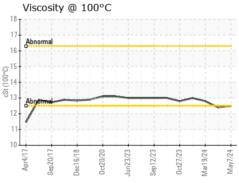


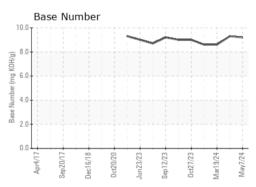
FLUID PROPERTIES		metnoa	ilmit/base	current	nistory i	nistory2	
	Visc @ 100°C	cSt	ASTM D445		12.5	12.4	12.8

GRAPHS

Ferrous Alloys 20 E 15











Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ML0001314 Lab Number : 06176444 Unique Number : 11022497

Received **Tested** Diagnosed

: 10 May 2024 : 13 May 2024

: 14 May 2024 - Sean Felton

MCCLUNG-LOGAN EQUIPMENT CO - MANASSAS 8450 QUARRY ROAD MANASSAS, VA US 20110

Certificate 12367

Test Package : CONST (Additional Tests: TBN)

Contact: MIKE MAYHUGH MMAYHUGH@MCCLUNG-LOGAN.COM T: (703)393-7344

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) F: (703)393-7844