

OIL ANALYSIS REPORT

Sample Rating Trend





[W02008185] Watchine Id VOLVO A30F 82248 Component Bogie/Center Axle

Fluid {not provided} (11 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: W02008185)

Area

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

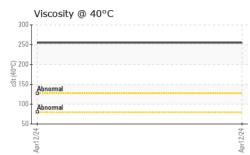
Fluid Condition

The condition of the oil is acceptable for the time in service.

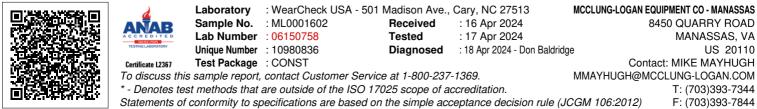
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ML0001602		
Sample Date		Client Info		12 Apr 2024		
Machine Age	hrs	Client Info		14578		
Oil Age	hrs	Client Info		2000		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	٨	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>630	186		
Chromium	ppm	ASTM D5185m	>15	2		
Nickel	ppm	ASTM D5185m	>8	1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>4	2		
Copper	ppm	ASTM D5185m	>50	11		
Tin	ppm	ASTM D5185m	>4	2		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		175		
Barium	ppm	ASTM D5185m		3		
Molybdenum	ppm	ASTM D5185m		4		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		29		
Calcium	ppm	ASTM D5185m		122		
Phosphorus	ppm	ASTM D5185m		923		
Zinc	ppm	ASTM D5185m		72		
Sulfur	ppm	ASTM D5185m		55127		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>50	12		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	1		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
	ocolor	*Visual	NONE	NONE		
Debris	scalar					
	scalar		NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE NORML	NONE NORML		
Sand/Dirt Appearance	scalar scalar	*Visual *Visual	NORML	NORML		
Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar	*Visual *Visual *Visual	NORML NORML	NORML NORML		
Sand/Dirt Appearance	scalar scalar	*Visual *Visual	NORML	NORML		



OIL ANALYSIS REPORT



∕isc @ 40°C	cSt	ASTM D445		255		
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						
Ferrous Alloys						
iron						
necessary chromium						
4						
Apr12/24			Apr12/24			
Non-ferrous Meta	ls					
copper						
second tin						
-						
Apr12/24			Apr12/24			
			Ap			
Viscosity @ 40°C			_			
-						
Ahoma						
Abnormal						
Abnormal						
			4			
2			Apr12/24			
Apr12/24			pr			



Submitted By: DARRELL ANDES

Page 2 of 2