

OIL ANALYSIS REPORT

Sample Rating Trend





VOLVO A30G HDTR823

Component Middle Differential Fluid

MOBIL MOBILUBE HD 80W90 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0952403		
Sample Date		Client Info		06 Jul 2024		
Machine Age	hrs	Client Info		21867		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>900	77		
Chromium	ppm	ASTM D5185(m)	>20	<1		
Nickel	ppm	ASTM D5185(m)	>10	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>30	1		
Lead	ppm	ASTM D5185(m)	>50	<1		
Copper	ppm	ASTM D5185(m)	>150	7		
Tin	ppm	ASTM D5185(m)	>20	0		
Antimony	ppm	ASTM D5185(m)	>5	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		131		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)		2		
Calcium	ppm	ASTM D5185(m)		131		
Phosphorus	ppm	ASTM D5185(m)		802		
Zinc	ppm	ASTM D5185(m)		60		
Sulfur	ppm	ASTM D5185(m)		19335		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	4		
Sodium	ppm	ASTM D5185(m)		<1		
Potassium	ppm	ASTM D5185(m)	>20	<1		



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170 T	Viscosity @ 40º Abnormal	°C	 	
160				
150-			 	
(J- 140 - ts 130 -	Base		 	
ン だ 130 -				
120-				
110	Abnormal			
100				
100	- +2/dlub			Jul6/24 -
	7			٦٢

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	LIGHT		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt		Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor		Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*	>0.2	NEG		
Free Water		Visual*		NEG		
FLUID PROPERT		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	136	148		
SAMPLE IMAGES	5	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image
GRAPHS						
Iron (ppm)			150	Lead (ppm)		
-				Same		
1000 - Abnormal			E 100	Abnormal		
04			54			
Jul6/24			Jul6/24	Jul6/24		
Aluminum (ppm)				Chromium (pp	om)	
100			60			
Abnormal			E 40	Abnormal		
) L <u>i</u>		
Jul6/24			Jul6/24	Jul6/24		
Copper (ppm)				Silicon (ppm)		
400 Severe			150)		
200 - Abnormal			E 100	Abnormal		
o L) L		
Jul6/24			Jul6/24	Jul6/24		
Viscosity @ 40°C				Additives		
200 T			1000			
			- ឝ្ម 500			
150 - Base	**************		- ,	Zinc		
Abnormal Abnormal Abnormal						
150 Base Abnormal 100 472/991			Jul6/24	Jul6/24		



Lab Number ISO 17025:2017 Accredited Laboratory Unique Number : 5812929 CA P2N 3J1 Diagnosed : 11 Jul 2024 - Wes Davis Test Package : MOB 1 Contact: Mitch Lamontagne To discuss this sample report, contact Customer Service at 1-800-268-2131. AEM_KL_macassaoilsampleresults@agnicoeagle.com T: (705)567-5208 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied. F: (705)567-5221

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CALA

Contact/Location: Mitch Lamontagne - KIR370KIR