

[W07014112] Machine Id VOLVO L220H 3091 Component Transmission (Auto) Fluid {not provided} (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

The iron level is severe.

CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP447958		
Sample Date		Client Info		10 Jan 2024		
Machine Age	hrs	Client Info		11633		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		Changed		
Sample Status				SEVERE		
Iron	ppm	ASTM D5185m	>160	7 19		
Chromium	ppm	ASTM D5185m	>5	5		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>50	6		
Lead	ppm	ASTM D5185m	>50	0		
Copper	ppm	ASTM D5185m	>225	16		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>20	21		
Potassium	ppm	ASTM D5185m	>20	3		
Water	ppm	WC Method	>0.1	NEG		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.1	NEG		
Sodium	ppm	ASTM D5185m		2		
Boron	ppm	ASTM D5185m		44		
Barium	ppm	ASTM D5185m		6		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		15		
Magnesium	ppm	ASTM D5185m		1		
Calcium	ppm	ASTM D5185m		90		
Phosphorus	ppm	ASTM D5185m		225		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		1685		

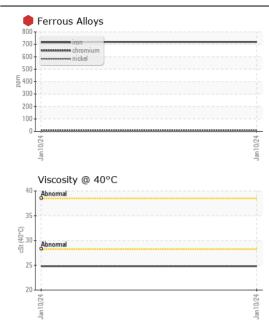
Contact/Location: Service Manager - MORREDVA

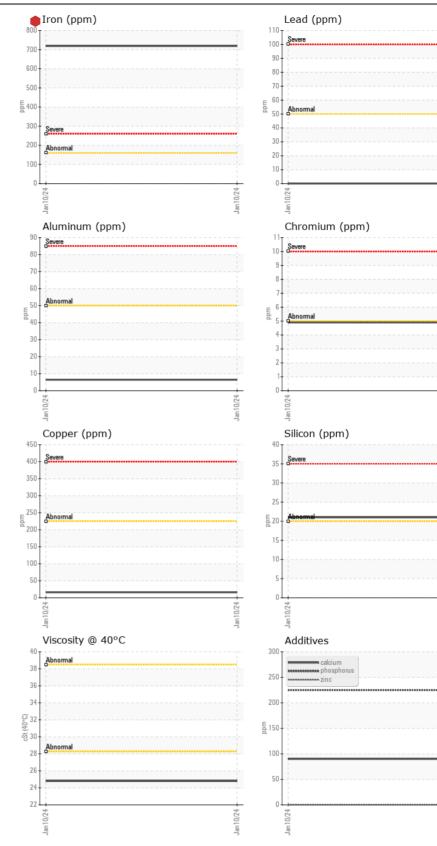
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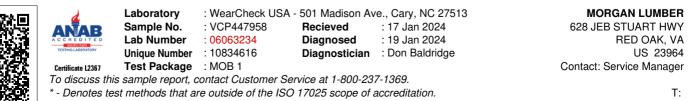
Visc @ 40°C

cSt

ASTM D445







Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F:

Contact/Location: Service Manager - MORREDVA