WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

Area [473409 TITAN] **VOLVO L90H 626595**



RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TEOOMINICIDATION	Sample Number	JOIVI	Client Info	LIIIIUAUII	VCP439294		
Resample at the next service interval to monitor.	Sample Date		Client Info		01 Feb 2024		
	Machine Age	hrs	Client Info		807		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed	1110	Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status		Oliciti IIIIo		NORMAL		
<u></u>							
VEAR	Iron	ppm	ASTM D5185m	>100	34		
	Chromium	ppm	ASTM D5185m	>10	3		
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>2	<1		
	Aluminum	ppm	ASTM D5185m	>10	28		
	Lead	ppm	ASTM D5185m	>20	<1		
	Copper	ppm	ASTM D5185m	>15	9		
	Tin	ppm	ASTM D5185m	>10	3		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		16		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	3		
	Fuel		WC Method	>6.0	<1.0		
	Water		WC Method	>0.1	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.3		
	Nitration	Abs/cm	*ASTM D7624	>20	8.0		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.5		
	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		
I LUD CONDITION	Codium	0.00	ACTM DE10Em		_		
LUID CONDITION	Sodium	ppm	ASTM D5185m ASTM D5185m	2.5	43		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm			43 27		
	Barium	ppm	ASTM D5185m ASTM D5185m		47		
	Molybdenum	ppm					
	Manganese	ppm	ASTM D5185m		3		
	Magnesium	ppm	ASTM D5185m		566 1526		
	Calcium	ppm	ASTM D5185m		1526		
	Phosphorus	ppm	ASTM D5185m		1006		
	Zinc	ppm	ASTM D5185m		1119		
	Sulfur	ppm	ASTM D5185m		3492		
	Oxidation	Abs/.1mm	*ASTM D7414		19.5		
	Base Number (BN)	mg NUH/g	42 I IVI D2896	10	9.0		





Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06084569

: VCP439294

Received **Tested** Unique Number : 10872014 Diagnosed : 09 Feb 2024

: 12 Feb 2024

: 12 Feb 2024 - Wes Davis

Test Package : MOB 1 (Additional Tests: TBN)

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)

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