WEAR CONTAMINATION FLUID CONDITION

ABNORMAL NORMAL NORMAL

Area

Blythe & Zachary JV CSA - I85 SC VOLVO L35G 3105626 (S/N L35GS3424213)



	or Oil 15W40			1.59741	· ·	1.15 - 4	115-4
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		ASC0003329 02 Jul 2024	ASC0003405 02 Feb 2024	ASC000349
	Sample Date Machine Age	hrs	Client Info		4559	4181	05 Dec 202 4003
	Oil Age	hrs	Client Info		4559 4559	4003	2479
	Filter Age	hrs	Client Info		0	0	2479
	Oil Changed	1113	Client Info		Changed	N/A	Changed
	Filter Changed		Client Info		Changed	N/A	Changed
	Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAD			AOTA DEADE	400		0.4	
WEAR	Iron	ppm	ASTM D5185m		12	24	8
The copper level is abnormal. All other component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	<1	<1
	Nickel	ppm	ASTM D5185m	>10	0	<1 .4	0
	Titanium Silver	ppm	ASTM D5185m	. 2	0	<1 0	0
	Aluminum	ppm	ASTM D5185m ASTM D5185m		0 3	0 12	1
	Lead	ppm	ASTM D5185m		0	<1	0
	Copper	ppm	ASTM D5185m		<u> </u>	4	<1
	Tin	ppm	ASTM D5185m		<1	<1	0
	Vanadium	ppm	ASTM D5185m	7.0	0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m		12	12	6
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		3	3	1
	Fuel		WC Method		<1.0	▲ 3.6	<1.0
	Water		WC Method	>0.1	NEG	NEG	NEG
	Glycol Soot %	%	WC Method *ASTM D7844	. 2	NEG 0.1	NEG 0.1	NEG 0.1
	Nitration	Abs/cm	*ASTM D7624	>20	8.9	7.9	11.0
	Sulfation	Abs/.1mm	*ASTM D7024		22.5	21.8	22.4
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	nnm	ASTM D5185m		4	3	1
	Boron	ppm	ASTM D5185m		38	52	29
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		2	0	2
	Molybdenum	ppm	ASTM D5185m		39	39	43
	Manganese	ppm	ASTM D5185m		1	1	0
	Magnesium	ppm	ASTM D5185m		457	492	497
	Calcium	ppm	ASTM D5185m		1780	1583	1704
	Phosphorus	ppm	ASTM D5185m		913	940	879
	Zinc	ppm	ASTM D5185m		1109	1088	1112
	Sulfur	ppm	ASTM D5185m		2984	2823	3133
	ouu.	1- 1-					

Oxidation

Visc @ 100°C cSt

20.8

9.8

11.6

21.8

9.3

12.7

Abs/.1mm *ASTM D7414 >25

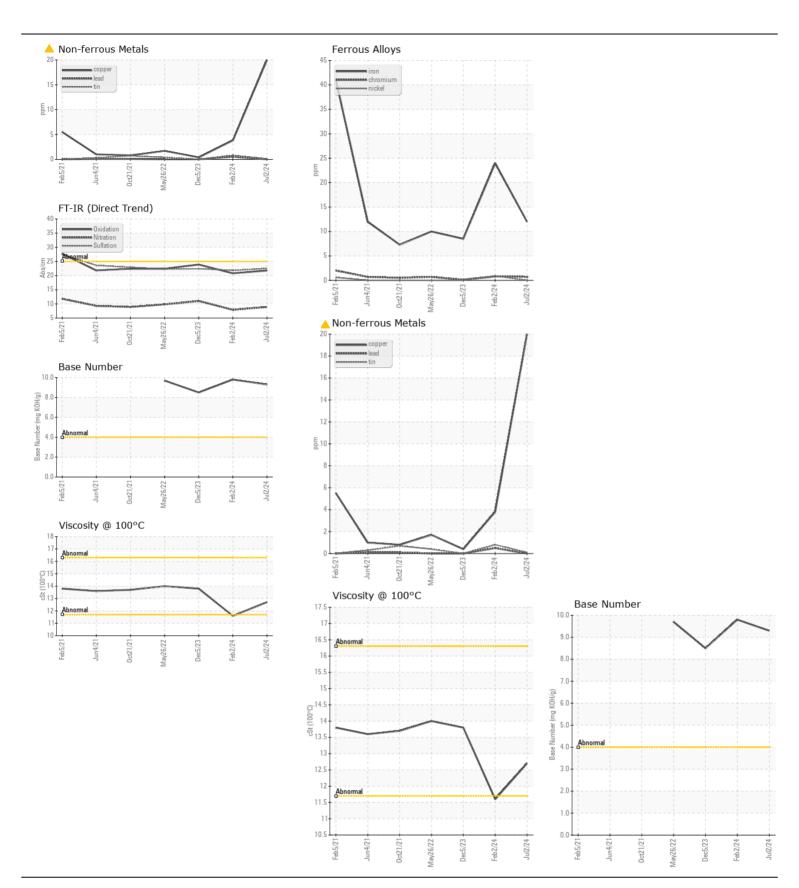
ASTM D445

Base Number (BN) mg KOH/g ASTM D2896

23.9

8.5

13.8







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06226989

: ASC0003329

Received **Tested** Unique Number : 11110482

: 03 Jul 2024 Diagnosed

: 05 Jul 2024 - Don Baldridge

: 03 Jul 2024

Test Package : CONST (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)

BLYTHE CONSTRUCTION INC

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