

OIL ANALYSIS REPORT

Sample Rating Trend

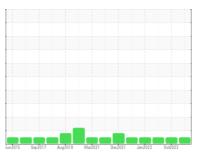
NORMAL



[W/O 10496] **VOLVO L90F 71862**

Component **Diesel Engine**

CHEVRON 15W40 (5 GAL)



Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

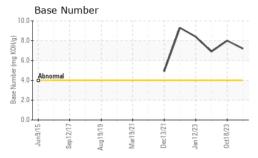
Fluid Condition

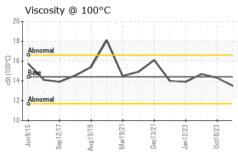
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

,		Jun2015 Se	p2017 Aug2019 Ma	r2021 Dec2021 Jan2023	Oct2023	
SAMPLE INFORMA	NOITA	method	limit/base	current	history1	history2
Sample Number		Client Info		ML0000008	VCP426372	VCP423098
Sample Date		Client Info		18 Mar 2024	18 Oct 2023	27 Jun 2023
	hrs	Client Info		18161	17714	17016
	hrs	Client Info		447	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	4	3	9
	ppm	ASTM D5185m	>10	0	0	0
	ppm		>10	0	0	<1
·	ppm	ASTM D5185m		2	2	2
	ppm		>2	0	0	0
	ppm	ASTM D5185m		2	1	2
	ppm		>20	0	0	5
	ppm	ASTM D5185m		<1	0	1
	ppm	ASTM D5185m		0	0	<1
	ppm	ASTM D5185m	7.0	<1	0	0
	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		351	126	230
·	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		90	79	108
	ppm	ASTM D5185m		0	<1	<1
-	ppm	ASTM D5185m		463	697	492
	ppm	ASTM D5185m		1428	1289	1526
	ppm	ASTM D5185m		1080	1018	964
	ppm	ASTM D5185m		1278	1339	1191
	ppm	ASTM D5185m		3962	3335	3395
CONTAMINANTS		method	limit/base	current	history1	history2
	ppm	ASTM D5185m	>20	4	5	6
	ppm	ASTM D5185m	>50	1	3	0
	ppm	ASTM D5185m	>20	<1	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.2	0.3
	Abs/cm	*ASTM D7624	>20	6.8	8.4	11.1
	Abs/.1mm	*ASTM D7415		21.6	23.1	26.6
FLUID DEGRADAT	ION _	method	limit/base	current	history1	history2
Oxidation /	Abs/.1mm	*ASTM D7414	>25	16.0	19.6	24.1
	mg KOH/g	ASTM D7414	720	7.2	8.0	6.9
שמשל ואנווווטפו (בוא)	ng NOH/g	AOTIVI DZ030		1.2	0.0	0.0



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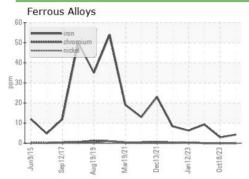


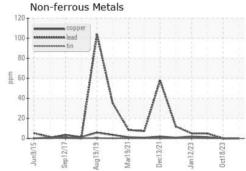


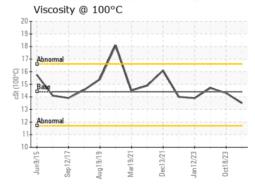
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

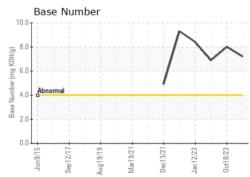
FLUID PROPER	IIIES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	14.4	13.5	14.3	14.7

GRAPHS













Laboratory Sample No. Lab Number : 06122951

: ML0000008

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

Unique Number : 10937102 Test Package : CONST (Additional Tests: TBN)

Received **Tested** Diagnosed

: 19 Mar 2024 : 20 Mar 2024

: 21 Mar 2024 - Don Baldridge

MCCLUNG-LOGAN EQUIPMENT CO - BALTIMORE 4601 WASHINGTON BOULEVARD

 $\mathsf{BALTIMORE},\,\mathsf{MD}$ US 21227

T: (410)242-6500

Contact: MARK CIULLA mciulla@mcclung-logan.com

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) F: (410)242-7835

Submitted By: DELANO GREGORY