

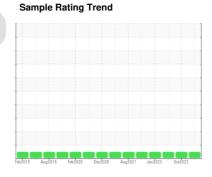
OIL ANALYSIS REPORT



[W/O 10732] VOLVO L90H 624535

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

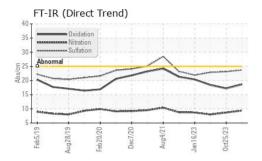
Fluid Condition

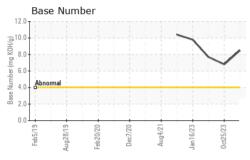
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

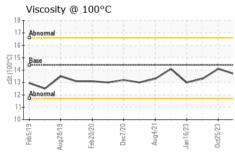
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ML0001339	VCP423105	VCP407904
Sample Date		Client Info		02 May 2024	25 Oct 2023	05 Jun 2023
Machine Age	hrs	Client Info		7525	6568	5937
Oil Age	hrs	Client Info		500	0	0
Oil Changed	1110	Client Info		Changed	Changed	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		NEG	NEG	NEG
Glycol		WC Method	20.1	NEG	NEG	NEG
			11			
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	10	8	7
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	5	6	5
Lead	ppm	ASTM D5185m	>20	<1	<1	0
Copper	ppm	ASTM D5185m	>15	2	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		232	254	341
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		111	96	90
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		570	445	504
Calcium	ppm	ASTM D5185m		1555	1473	1547
Phosphorus	ppm	ASTM D5185m		877	1139	1021
Zinc	ppm	ASTM D5185m		1007	1379	1245
Sulfur	ppm	ASTM D5185m		2852	3378	4014
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	7	6	6
Sodium	ppm	ASTM D5185m	>50	0	<1	2
Potassium	ppm	ASTM D5185m	>20	2	<1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1	1	0.4
Nitration	Abs/cm	*ASTM D7624	>20	9.4	8.7	8.0
	Abs/.1mm	*ASTM D7415	>30	23.7	23.1	22.9
Sulfation	/100/.1111111					
Sulfation FLUID DEGRADA		method	limit/base	current	history1	history2
FLUID DEGRADA	TION	method			•	•
				current 18.6 8.5	history1 17.2 6.8	history2 18.4 7.7

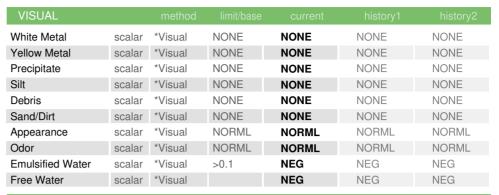


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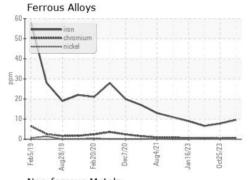


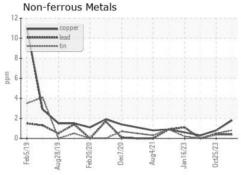


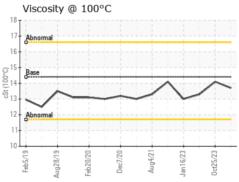


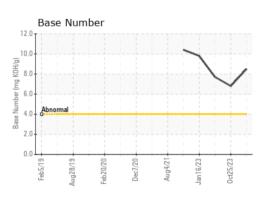
FLUID PROPER	TIES	method				history2
Visc @ 100°C	cSt	ASTM D445	14.4	13.7	14.1	13.3

GRAPHS













Sample No.

: ML0001339

Lab Number : 06176442 Unique Number : 11022495

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

: 10 May 2024 **Tested** : 13 May 2024 Diagnosed : 14 May 2024 - Sean Felton

IAA - INSURANCE AUTO AUCTIONS - METRO DC 14149 BRANDYWINE RD

BRANDYWINE, MD

US 20613 Contact:

Test Package : CONST (Additional Tests: TBN) Certificate 12367

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)

Report Id: INSBRAMD [WUSCAR] 06176442 (Generated: 05/14/2024 14:05:27) Rev: 1

Submitted By: DELANO GREGORY

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