

	Area [A11961] Machine Id
P-	VOLVO A35G 352094
	Diesel Engine
	MOBIL 15W40 (GAL)

WEAR	
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		VCP439494	,	VCP364145
Oil and filter change at the time of sampling has been noted. Resample	Sample Date		Client Info		22 Jan 2024	24 Jan 2023	23 Aug 2022
at the next service interval to monitor.	Machine Age	hrs	Client Info		2380	1950	1220
	Oil Age	hrs	Client Info		250	250	500
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	0
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WEAR	Iron	ppm	ASTM D5185m		2	18	15
The copper level has decreased, but is still abnormal. All other	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
component wear rates are normal.	Nickel	ppm	ASTM D5185m	>10	0	2	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		<1	2	3
	Lead	ppm	ASTM D5185m		0	4	<1
	Copper	ppm	ASTM D5185m		A 26	1 35	4
	Tin	ppm		>20	0	2	1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	6	5	5
	Potassium	ppm	ASTM D5185m	>20	0	1	1
There is no indication of any contamination in the oil.	Fuel		WC Method	>3.0	<1.0	<1.0	0.3
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.1	0.2	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	5.5	10.0	9.4
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	20.7	23.1
	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	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium		ASTM D5185m	. 110	.1	1	.1
FLOID CONDITION	Boron	ppm ppm	ASTM D5185m	>110	<1 52	9	<1 41
The BN result indicates that there is suitable alkalinity remaining in the	Barium		ASTM D5185m		52 0	0	0
oil. The condition of the oil is acceptable for the time in service.	Molybdenum	ppm ppm	ASTM D5185m		32	26	46
	Manganese	ppm	ASTM D5185m		32 <1	<1	<1
	Magnesium	ppm	ASTM D5185m		445	282	464
	Calcium	ppm	ASTM D5185m		445 1676	202	1585
	Calciuli	hhiii			10/0	2000	1000

Zinc

Sulfur

Oxidation

Visc @ 100°C cSt

Phosphorus ppm ASTM D5185m

Base Number (BN) mg KOH/g ASTM D2896

ppm

ASTM D5185m

Abs/.1mm *ASTM D7414 >25

ASTM D445

ppm ASTM D5185m

869

1142

3839

15.6

6.2

12.2

944

1091

2956

16.2

9.6

12.7

900

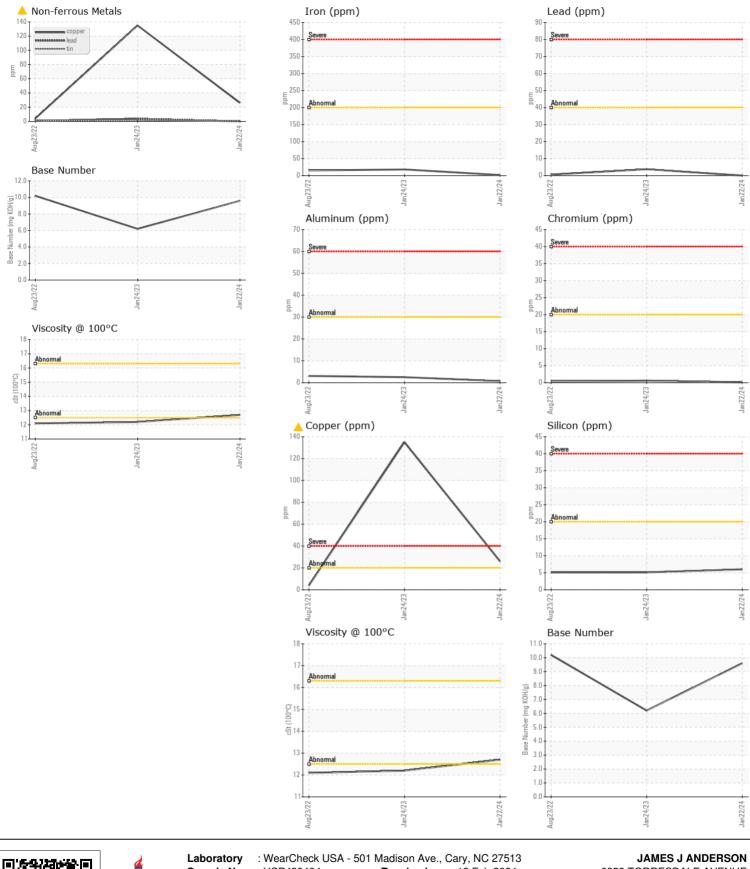
1068

20.9

12.1

2884

10.2



Sample No. : VCP439494 Received 6958 TORRESDALE AVENUE : 12 Feb 2024 Lab Number : 06085795 Tested : 13 Feb 2024 PHILADELPHIA, PA Unique Number : 10873240 : 13 Feb 2024 - Don Baldridge US 19135 Diagnosed Test Package : MOB 1 (Additional Tests: TBN) Contact: JOHN HERBUT Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. herb@jjaconstruction.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (215)850-9051 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (215)427-0208

Contact/Location: JOHN HERBUT - JAAPHI