



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[661922 APTIM]
Machine Id
VOLVO A35G 340227
Component
Bogie/Center Axle
Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP440061	VCP417009	VCP395745
Sample Date		Client Info		31 Jan 2024	27 Jul 2023	01 Feb 2023
Machine Age	hrs	Client Info		8398	7611	6647
Oil Age	hrs	Client Info		500	4000	2000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Changed
Sample Status				NORMAL	ATTENTION	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	47	553	427
Chromium	ppm	ASTM D5185m	>20	<1	7	6
Nickel	ppm	ASTM D5185m	>10	<1	3	3
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>30	<1	0	<1
Lead	ppm	ASTM D5185m	>50	0	<1	0
Copper	ppm	ASTM D5185m	>150	2	8	4
Tin	ppm	ASTM D5185m	>20	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	5	6	4
Potassium	ppm	ASTM D5185m	>20	<1	1	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	LIGHT	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

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<1	0	2
Boron	ppm	ASTM D5185m	111	203	122	258
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.9	4	8	8
Manganese	ppm	ASTM D5185m	0.0	2	18	18
Magnesium	ppm	ASTM D5185m	39	17	2	1
Calcium	ppm	ASTM D5185m	93	264	31	42
Phosphorus	ppm	ASTM D5185m	920	1121	2319	2447
Zinc	ppm	ASTM D5185m	104	135	41	35
Sulfur	ppm	ASTM D5185m	20179	29149	28567	26453
Visc @ 40°C	cSt	ASTM D445	333	278	50.8	51.0

