



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[674850 LAKE CONWAY]
 Machine Id
TAKEUCHI TL8 408004880
 Component
Rear Left Final Drive
 Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

The oil 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP446889	VCP398544	---
Sample Date		Client Info		19 Feb 2024	03 Feb 2023	---
Machine Age	hrs	Client Info		380	32	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changed	---
Filter Changed		Client Info		Not Changed	Not Changed	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

Gear wear is indicated. All other metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>500	▲ 819	397	---
Chromium	ppm	ASTM D5185m	>10	9	6	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	0	<1	---
Lead	ppm	ASTM D5185m	>25	0	0	---
Copper	ppm	ASTM D5185m	>50	2	1	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

There is no indication of any contamination in the oil.

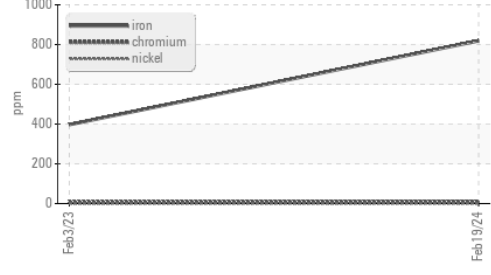
Silicon	ppm	ASTM D5185m	>75	19	11	---
Potassium	ppm	ASTM D5185m	>20	2	3	---
Water	%	ASTM D6304	>0.2	0.082	---	---
ppm Water	ppm	ASTM D6304	>2000	820	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	0.2%	NEG	---

FLUID CONDITION

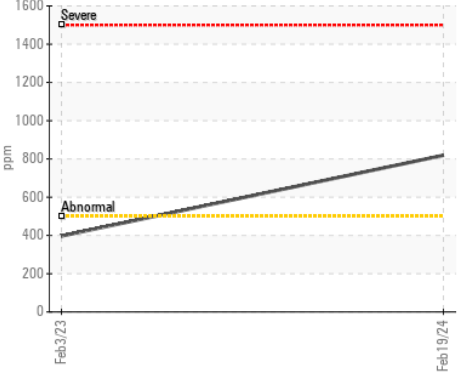
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		5	5	---
Boron	ppm	ASTM D5185m	111	0	0	---
Barium	ppm	ASTM D5185m	0.0	11	14	---
Molybdenum	ppm	ASTM D5185m	0.9	<1	<1	---
Manganese	ppm	ASTM D5185m	0.0	11	7	---
Magnesium	ppm	ASTM D5185m	39	17	<1	---
Calcium	ppm	ASTM D5185m	93	25	9	---
Phosphorus	ppm	ASTM D5185m	920	252	304	---
Zinc	ppm	ASTM D5185m	104	53	20	---
Sulfur	ppm	ASTM D5185m	20179	17619	22916	---
Visc @ 40°C	cSt	ASTM D445	333	160	159	---

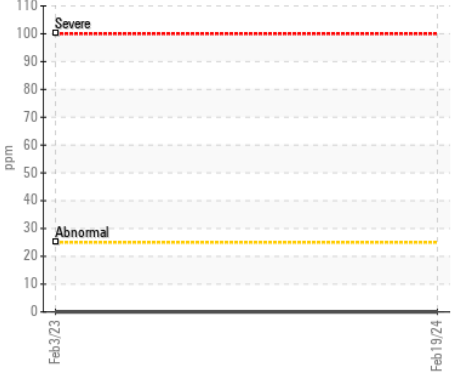
▲ Ferrous Alloys



▲ Iron (ppm)



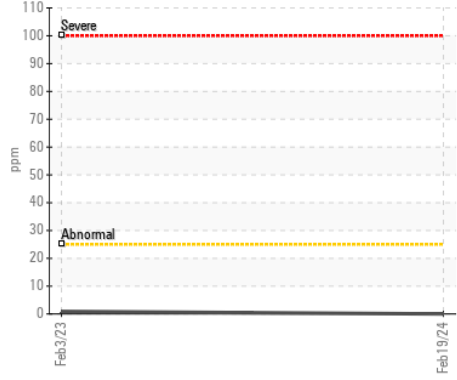
Lead (ppm)



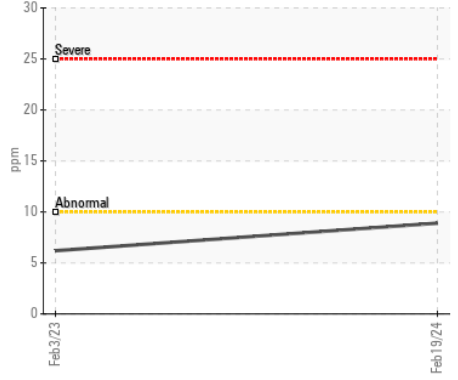
Water (KF)



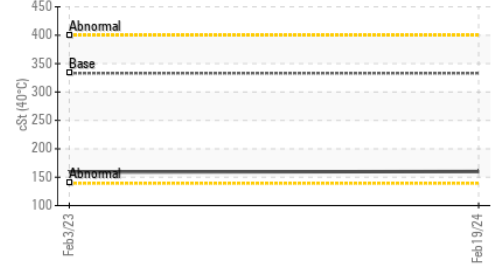
Aluminum (ppm)



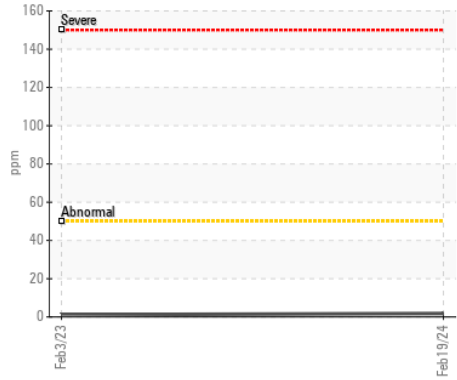
Chromium (ppm)



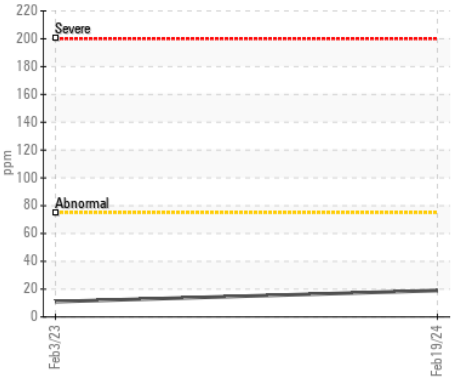
Viscosity @ 40°C



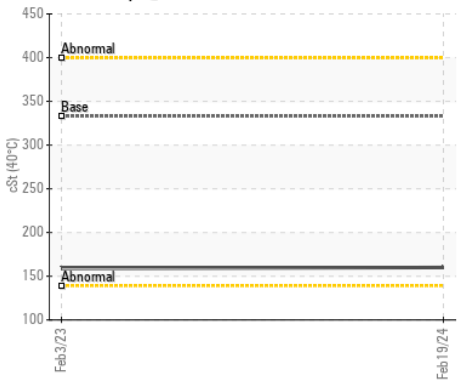
Copper (ppm)



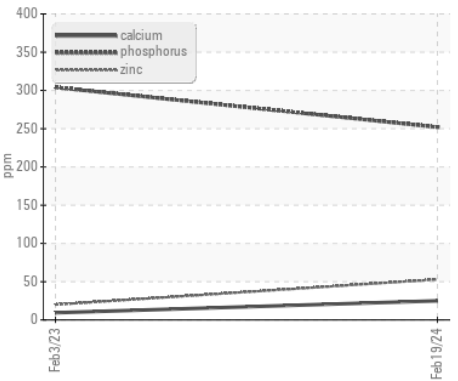
Silicon (ppm)



Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP446889 **Received** : 23 Feb 2024
Lab Number : 06098763 **Tested** : 26 Feb 2024
Unique Number : 10896993 **Diagnosed** : 26 Feb 2024 - Don Baldrige
Test Package : MOB 1 (Additional Tests: KF)

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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)