



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[9463]
Machine Id
VOLVO ECR145E 315030
Component
Rear Left Final Drive
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		VCP431315	VCP405605	VCP359986
Sample Date		Client Info		08 Jan 2024	23 Mar 2023	05 May 2022
Machine Age	hrs	Client Info		2987	2010	997
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Not Changed	Not Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	163	198	109
Chromium	ppm	ASTM D5185m	>10	2	3	2
Nickel	ppm	ASTM D5185m	>10	2	2	2
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>25	2	2	1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	2	<1	<1
Tin	ppm	ASTM D5185m	>10	6	10	6
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

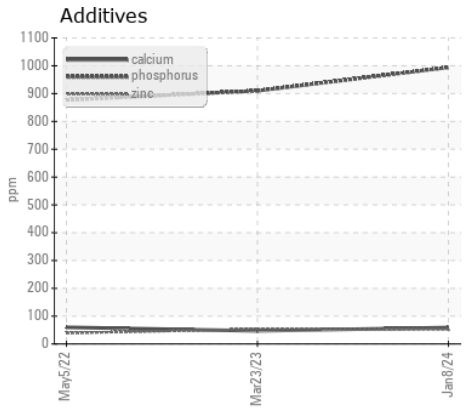
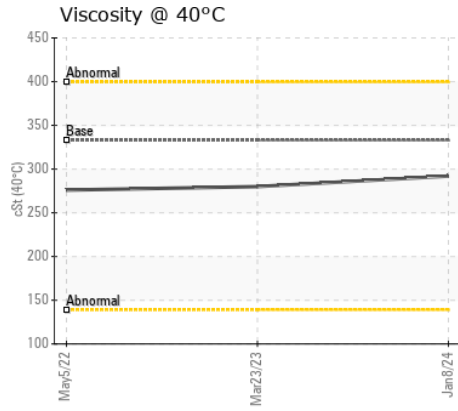
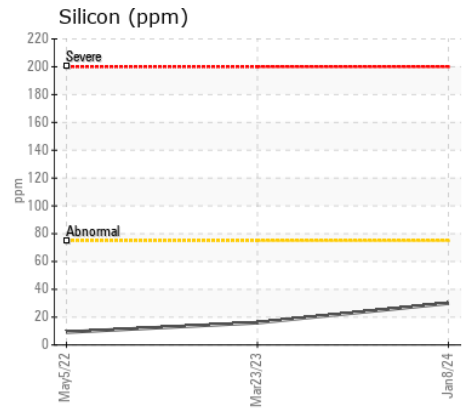
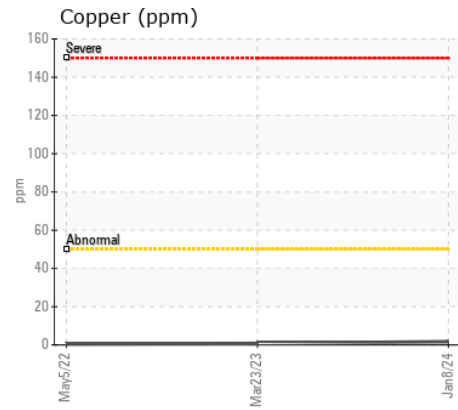
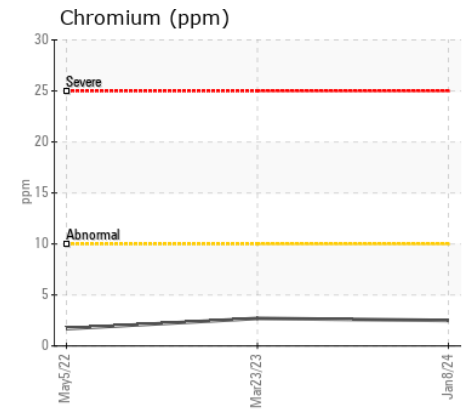
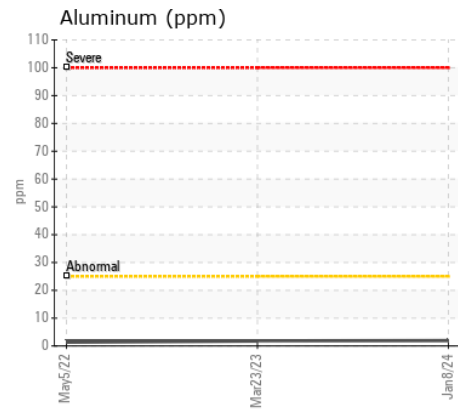
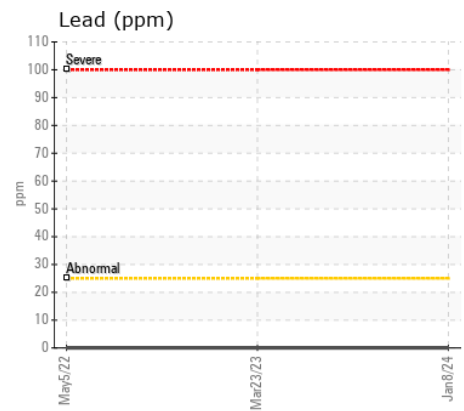
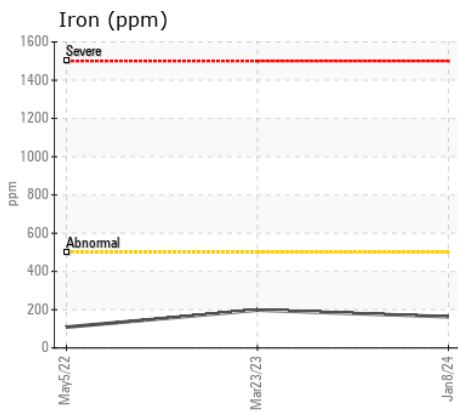
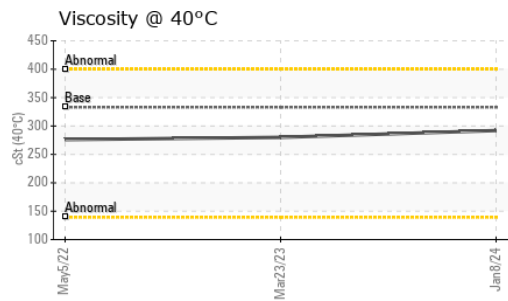
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	30	16	9
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water		WC Method	>0.2	NEG	NEG	NEG
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

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

Sodium	ppm	ASTM D5185m		0	2	2
Boron	ppm	ASTM D5185m	111	146	121	142
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.9	2	3	3
Manganese	ppm	ASTM D5185m	0.0	2	2	2
Magnesium	ppm	ASTM D5185m	39	16	15	15
Calcium	ppm	ASTM D5185m	93	59	47	60
Phosphorus	ppm	ASTM D5185m	920	994	910	877
Zinc	ppm	ASTM D5185m	104	51	53	39
Sulfur	ppm	ASTM D5185m	20179	27157	30245	20701
Visc @ 40°C	cSt	ASTM D445	333	292	280	276



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP431315 **Received** : 16 Jan 2024
Lab Number : 06061509 **Diagnosed** : 17 Jan 2024
Unique Number : 10832891 **Diagnostician** : Wes Davis
Test Package : MOB 1

JON M HALL COMPANY
 1920 BOOTHE CIRCLE SUITE 110
 LONGWOOD, FL
 US 32750
 Contact: SERVICE MANAGER

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)

T: (407)215-0410

F: