MOB I

VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
OCEAN CONTRACTORS [8000392193]
Machine Id
VOLVO ECR145E 316829
Component
Swing Drive
Fluid
VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.

WEAR

Metal levels are typical for a components first oil change.

CONTAMINATION

There is no indication of any contamination in the oil.

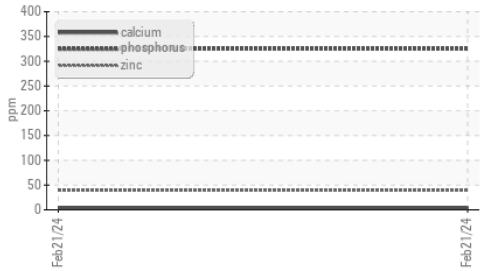
FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
The condition of the oil is acceptable for the time in service.

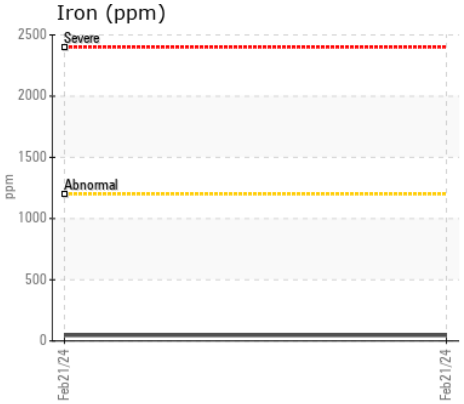
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP394163	---	---
Sample Date		Client Info		21 Feb 2024	---	---
Machine Age	hrs	Client Info		1077	---	---
Oil Age	hrs	Client Info		1077	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				NORMAL	---	---
Iron	ppm	ASTM D5185(m)	>1200	46	---	---
Chromium	ppm	ASTM D5185(m)	>10	<1	---	---
Nickel	ppm	ASTM D5185(m)	>10	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	3	---	---
Lead	ppm	ASTM D5185(m)	>50	1	---	---
Copper	ppm	ASTM D5185(m)	>50	58	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>100	20	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water		WC Method	>0.25	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.25	NEG	---	---
Sodium	ppm	ASTM D5185(m)		2	---	---
Boron	ppm	ASTM D5185(m)	379	0	---	---
Barium	ppm	ASTM D5185(m)	0.0	2	---	---
Molybdenum	ppm	ASTM D5185(m)	0.8	0	---	---
Manganese	ppm	ASTM D5185(m)	0.0	2	---	---
Magnesium	ppm	ASTM D5185(m)	31	<1	---	---
Calcium	ppm	ASTM D5185(m)	38	4	---	---
Phosphorus	ppm	ASTM D5185(m)	1077	325	---	---
Zinc	ppm	ASTM D5185(m)	46	39	---	---
Sulfur	ppm	ASTM D5185(m)	23526	14003	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	139	167	---	---

Viscosity @ 40°C

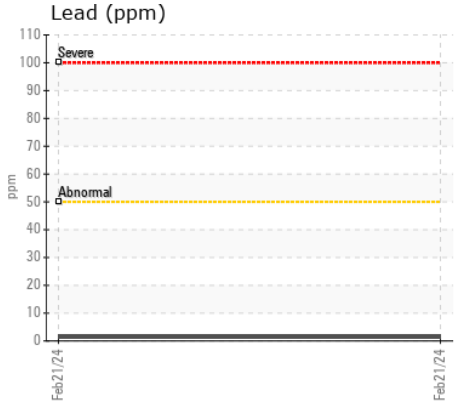
Additives



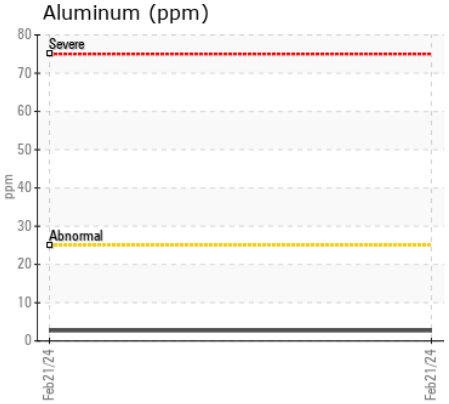
Iron (ppm)



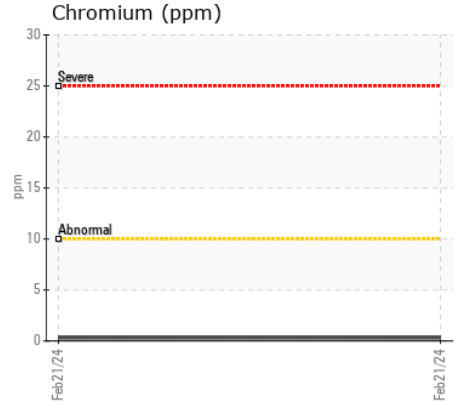
Lead (ppm)



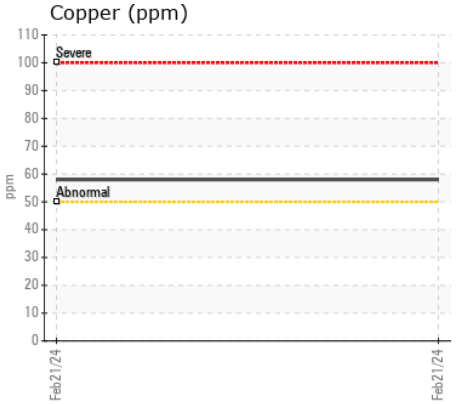
Aluminum (ppm)



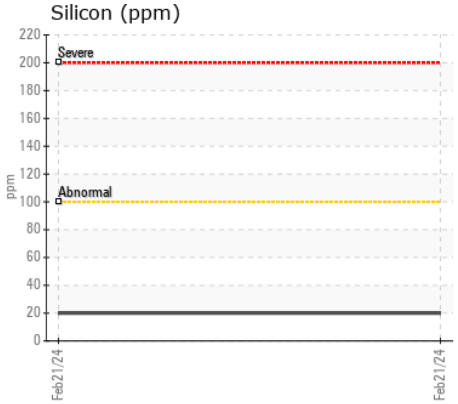
Chromium (ppm)



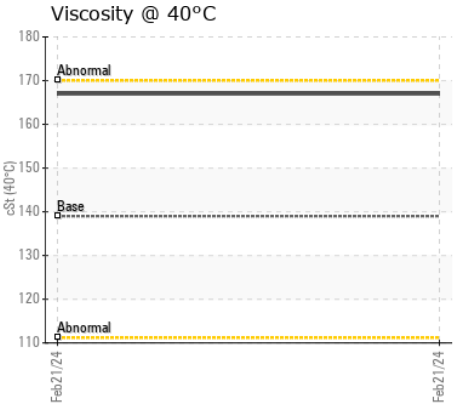
Copper (ppm)



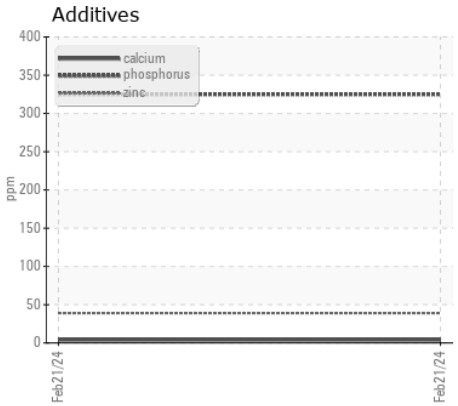
Silicon (ppm)



Viscosity @ 40°C



Additives



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP394163
Lab Number : 02618413
Unique Number : 5735523
Test Package : MOB 1

Received : 27 Feb 2024
Tested : 27 Feb 2024
Diagnosed : 28 Feb 2024 - Kevin Marson

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.

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