MOB I

VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[387141]
Machine Id
VOLVO EC380EL 314401
Component
Rear Right Final Drive
Fluid
VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

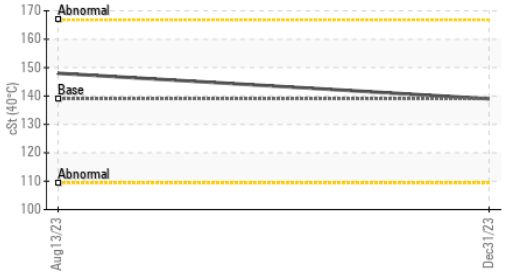
There is no indication of any contamination in the oil.

FLUID CONDITION

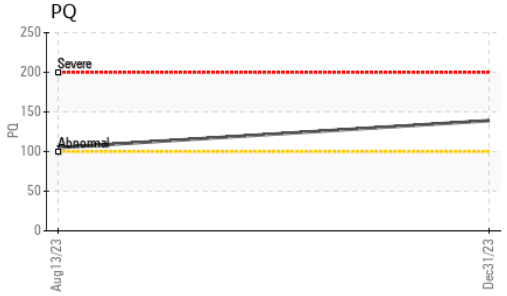
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP429977	VCP347117	---
Sample Date		Client Info		31 Dec 2023	13 Aug 2023	---
Machine Age	hrs	Client Info		6077	5254	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	NORMAL	---
PQ		ASTM D8184*		139	105	---
Iron	ppm	ASTM D5185(m)	>500	1359	1599	---
Chromium	ppm	ASTM D5185(m)	>10	22	29	---
Nickel	ppm	ASTM D5185(m)	>10	2	2	---
Titanium	ppm	ASTM D5185(m)		8	7	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	140	116	---
Lead	ppm	ASTM D5185(m)	>25	<1	<1	---
Copper	ppm	ASTM D5185(m)	>50	2	4	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	<1	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185(m)	>75	556	495	---
Potassium	ppm	ASTM D5185(m)	>20	39	47	---
Water		WC Method	>0.2	NEG	NEG	---
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	NEG	NEG	---
Sodium	ppm	ASTM D5185(m)		37	30	---
Boron	ppm	ASTM D5185(m)	379	106	62	---
Barium	ppm	ASTM D5185(m)	0.0	<1	1	---
Molybdenum	ppm	ASTM D5185(m)	0.8	2	4	---
Manganese	ppm	ASTM D5185(m)	0.0	10	12	---
Magnesium	ppm	ASTM D5185(m)	31	52	50	---
Calcium	ppm	ASTM D5185(m)	38	374	668	---
Phosphorus	ppm	ASTM D5185(m)	1077	1977	1768	---
Zinc	ppm	ASTM D5185(m)	46	59	173	---
Sulfur	ppm	ASTM D5185(m)	23526	19225	13176	---
Visc @ 40°C	cSt	ASTM D7279(m)	139	139	148	---

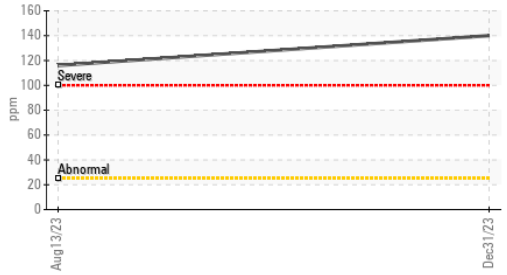
Viscosity @ 40°C



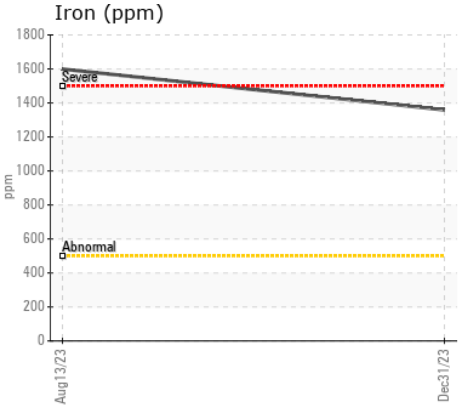
PQ



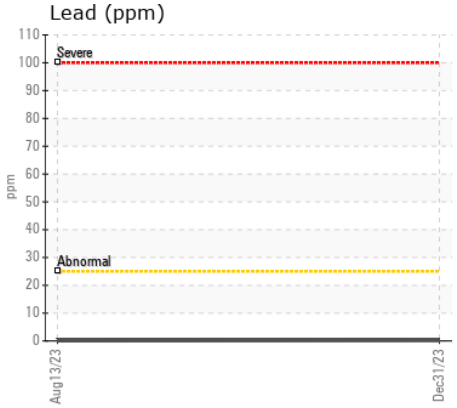
Aluminum (ppm)



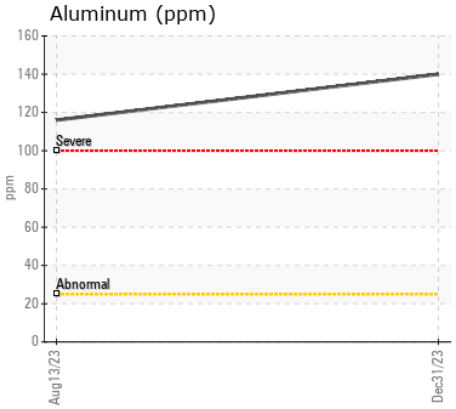
Iron (ppm)



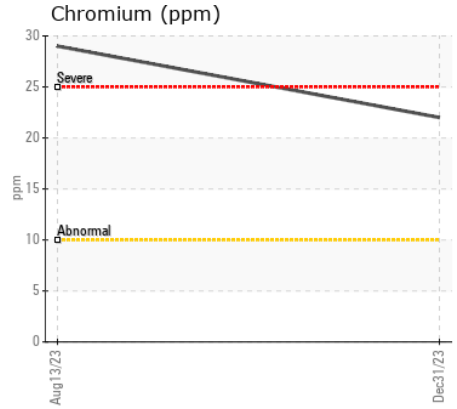
Lead (ppm)



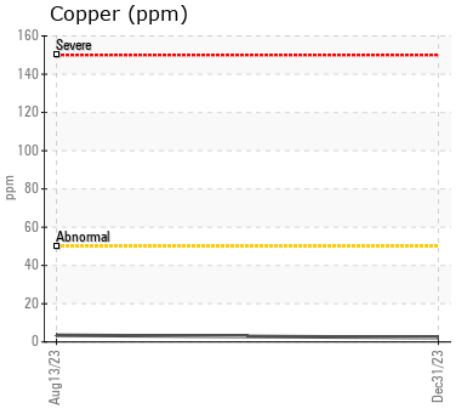
Aluminum (ppm)



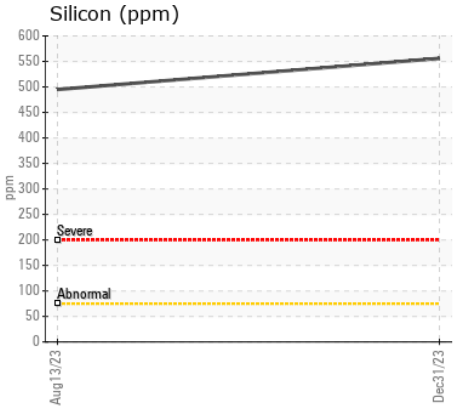
Chromium (ppm)



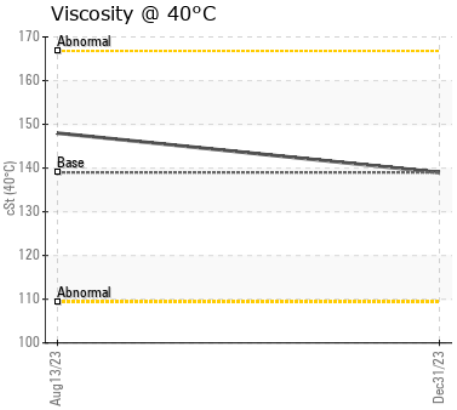
Copper (ppm)



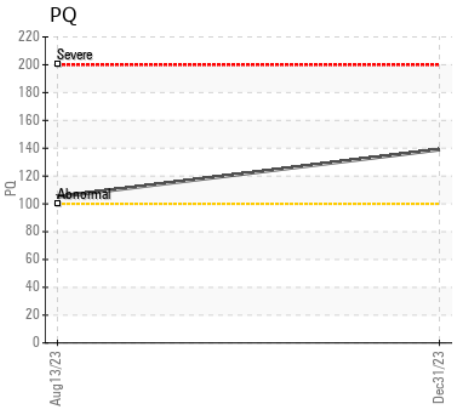
Silicon (ppm)



Viscosity @ 40°C



PQ



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: VCP429977	**Recieved**	: 04 Jan 2024
Lab Number	: 02606599	**Diagnosed**	: 05 Jan 2024
Unique Number	: 5707685	**Diagnostician**	: Kevin Marson
Test Package	: MOB 1 (Additional Tests: PQ)		

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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