



CONSTRUCTION EQUIPMENT

SW1027523 MGC VOLVO EC355EL 310132 - SWING DRIVE



Sample No: VCP415116
Oil Type: GEAR OIL SAE 80W90
Job No: SW1027523 MGC



SAMPLE INFORMATION

Sample Number	VCP415116	VCP355062	VCP324458	---
Sample Date	12 Dec 2023	14 Sep 2022	18 Jun 2021	---
Machine Hours	2120	1609	1049	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	144	144	184	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	10	9	12	---
Sodium	ppm	<1	<1	2	---
Potassium	ppm	<1	2	<1	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	221	225	277	---
Copper	ppm	12	12	15	---
Lead	ppm	<1	0	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	<1	0	---
Chromium	ppm	2	2	3	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	3	3	6	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	102	63	4	---
Magnesium	ppm	0	3	2	---
Zinc	ppm	44	36	59	---
Phosphorus	ppm	826	932	388	---
Barium	ppm	0	0	<1	---
Boron	ppm	83	93	2	---

Depot: VOLVO6174
Unique No: 10796040
Signed: Wes Davis
Report Date: 21 Dec 2023

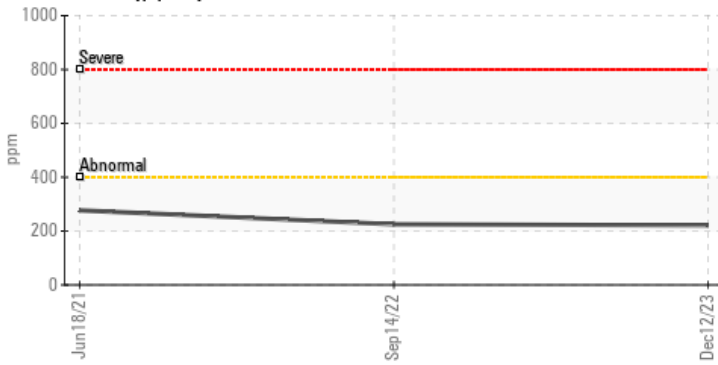


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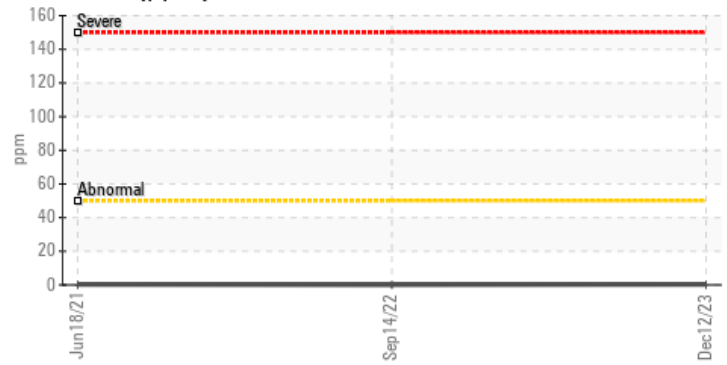


GRAPHS

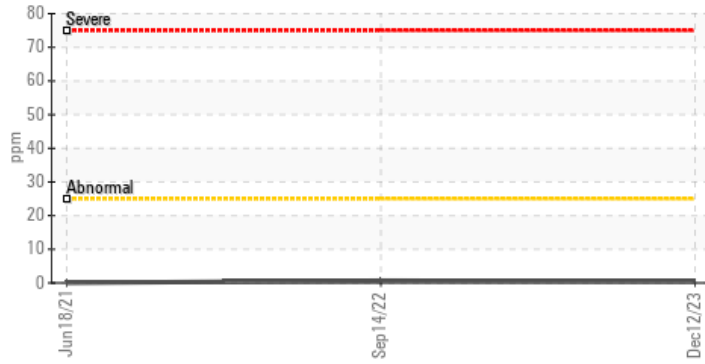
Iron (ppm)



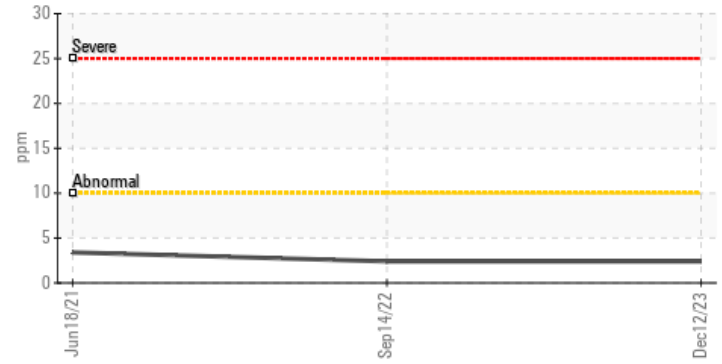
Lead (ppm)



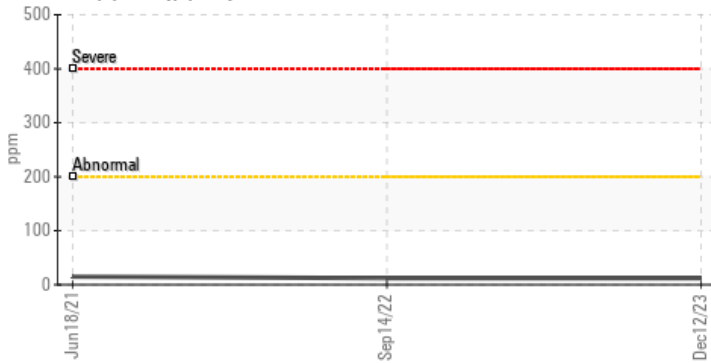
Aluminum (ppm)



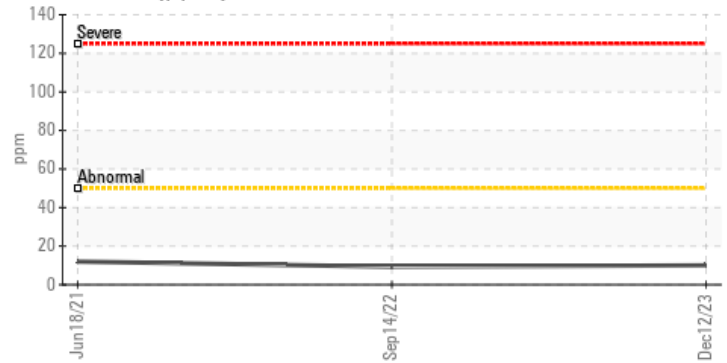
Chromium (ppm)



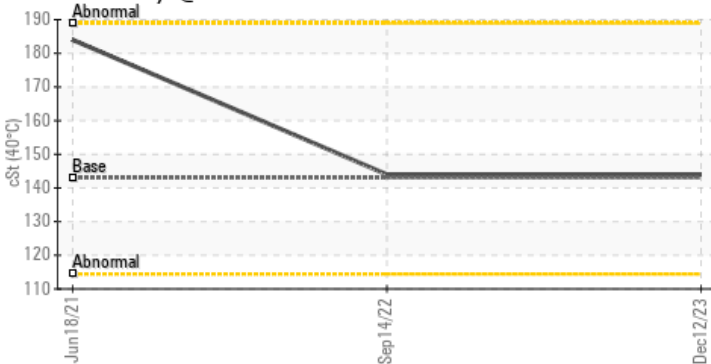
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

